INDEX TO VOLUME XXXI

Page numbers preceded by '(P)' refer to the summaries of symposia and papers at the Spring and Summer Meetings of the Thoracic Society

A

AASTED, A. *See* BERTELSEN, S., and AASTED, A.

ABBEY SMITH, R., NIGAM, B. K., and THOMPSON, J. M.: Second primary lung carcinoma, 507

ABDULMAJID, O. A., EBEID, A. M., MOTAWEH, M. M., and KLEIBO, I. S.: Aspirated foreign bodies in the tracheobronchial tree: report of 250 cases, 635

ÅBERG, T., and KIHLGREN, M.: Effects of open-heart surgery on intellectual function (P), 487

Abscess, lung, and fistula formation due to oesophageal moniliasis, 361

Adenoma, bronchial, conservative surgery for, 44
bronchial, 18-year experience at Brompton Hospital, 245
parathyroid, intrathoracic, large, 782

Air, ionized, long-term treatment with, effect in bronchial asthma, 428

Airway disease, obstructive, dead space ventilation in children with, 63
irritation and aerosolized lignocaine (P), 242
obstruction associated with inspiratory dyspnoea, respiratory mechanics in, 669
obstruction between mouth and carina, diagnosis and management of, respiratory function tests in (P), 482
obstruction, chronic, fatal and non-fatal, pathological study of lungs and heart in, 70
obstruction, chronic, fatal, clinicopathological study of, 693
obstruction, chronic, pattern of stimulated breathing in (P), 243
obstruction, chronic, quantitation of thick-walled peripheral lung vessels in, 315
obstruction, chronic, response to oral and inhaled steroids in (P), 482
obstruction, chronic, serum and sputum antibody in, 702
obstruction, chronic, whole-body potassium in (P), 484
responses to inhaled bronchodilators in reversible airflow obstruction (P), 242

Allergic alveolitis, acute, influenza and parainfluenza virus titres in bird fanciers with (P), 238
alveolitis, extrinsic, produced by contaminated water from factory machine (P), 238

Allografts, aortic root, in right ventricular outflow tract of growing puppies, degenerative changes in, 757

ALLWORK, S. P., and NORTON, R.: Surface ultrastructure of silicone rubber aortic valve poppets after long-term implantation: a scanning electron microscope study of four poppets, 742

Alpha-1-antitrypsin phenotype, relation to performance of pulmonary function tests and prevalence of respiratory illness in working population, 149

Altitude, high, and carotid body enlargement (P), 480
high, and Monge's disease (P), 481
high, and pulmonary argyrophil cells (P), 480
high, and pulmonary hypertension (P), 480
high, and pulmonary oedema (P), 481

Alveolitis, allergic, acute, influenza and parainfluenza virus titres in bird fanciers with (P), 238
allergic, extrinsic, produced by contaminated water from factory machine (P), 238
fibrosing, cryptogenic, management of, trephine biopsy of lung in (P), 483
fibrosing, diffuse, HLA antigens in (P), 483

Aminophylline and isoprenaline interaction in asthma (P), 488
in treatment of acute asthma attacks, comparison with salbutamol (P), 239

Anaemia, haemolytic, induced by cytomegalovirus after cardiac surgery, 786

ANDERSEN, L. H., and SECHER, N. J.: Pattern of total and regional lung function in subjects with broncho-constriction induced by 15-me $PGF_{2\alpha}$, 685

ANDERSON, P. B. *See* HOWARD, P., BRENNAN, S. R., *et al.*

Aneurysms, false, of ascending aorta after cannulation for perfusion, 234
ventricular, left, of unusual aetiology, 2 cases of, 220
ventricular, left, post-infarction, elective operations for, 55

Angiitis, 'sarcoidal', necrotizing, and granulomatosis of lung, 356

Angiotensin converting enzyme activity, serum, diagnostic value in lung diseases, 552

Antibiotic therapy, timing of, in bacterial infections complicating thoracic and other injuries (P), 484

Antibody, serum and sputum, in chronic airways obstruction, 702

Antitrypsin, alpha-1-. *See* Alpha-1-antitrypsin

ANYANWU, C. H.: Mitral incompetence and ventricular septal defects following non-penetrating injury, 113

—, NASSAU, E., and YACOUB, M. H.: Miliary tuberculosis following homograft valve replacement, 101

Aorta, ascending, false aneurysm of, after cannulation for perfusion, 234
thoracic, descending, leiomyoma of, resection of, 118

Aortic arch, traumatic, and aorta to innominate vein fistula, repair under deep hypothermia and circulatory arrest, 753
dissection, acute, and medial degeneration in patients with 'floppy' mitral valves, 49
root allografts in right ventricular outflow tract of growing puppies, degenerative changes in, 757
stenosis, valvular, congenital, surgical treatment of, 398
valve disease and mitral stenosis, combined, surgical management of (P), 490
valve poppets, silicone rubber, scanning electron microscope study of surface ultrastructure after long-term implantation, 742
valve replacements, Hancock and Björk-Shiley,

Aortic—contd.
hydraulic characteristics of, *in-vitro* comparison of (P), 489
Aortocoronary grafts, blood flow and reactive hyperaemia in relation to postoperative myocardial infarction, 172
Aortopulmonary shunt, Potts', for palliation of cyanotic heart disease, evaluation of, 394
Argyrophil cells, pulmonary, at high altitudes (P), 480
ARNETT, J. C., JR., and PATTON, R. M.: Pulmonary varix, 107
ARNOLD, R. *See* JONES, R. S., WILKINSON, J. L., *et al.*
Arterial blood gas tensions, hydrogen ion, and electroencephalogram during sleep in chronic ventilatory failure, 730
Arteries, great, transposition of, with left juxtaposition of atrial appendages, complete correction of, 178
Asbestos content of pleural mesothelioma lungs (P), 490
exposure, prolonged, effect on regional lung function (P), 239
Asbestosis, serial pulmonary function tests in (P), 491
ASHCROFT, M. T. *See* MILLER, G. J., SAUNDERS, M. J., *et al.*
ASHCROFT, T. *See* BUTCHART, E. G., ASHCROFT, T., *et al.*
ASHUTOSH, K., and KEIGHLEY, J. F. H.: Diagnostic value of serum angiotensin converting enzyme activity in lung diseases, 552
Aspergillus fumigatus prosthetic valve endocarditis, 380
Aspirin idiosyncrasy, complement components and IgE in asthmatics with, 425
Asthma, acute attacks of, comparison of aminophylline and salbutamol in treatment of (P), 239
and aspirin idiosyncrasy, complement components and IgE in patients with, 425
apparent, demonstration of localized disease by radioactive N_2 in children with (P), 244
atopic and non-atopic, and chronic bronchitis, bacterial precipitins and immunoglobulin class in, 419
bronchial, effect of long-term ionized air treatment in, 428
bronchial, severe, acute attacks of, lipid changes during, and after therapy (P), 240
death from, and status asthmaticus (P), 240
diurnal variation of (P), 487
induced by exercise, inhibition by different pharmacological pathways, 137
interaction between isoprenaline and aminophylline in (P), 488
intractable, bromocriptine in treatment of (P), 488
juvenile, long-term beclomethasone dipropionate aerosol therapy in, 309
occupational, in workers using epoxy resin systems (P), 238
severe, histamine levels in plasma, blood, and urine in, and effect of corticosteroid treatment, 724
severe, onset, patterns of (P), 487
Δ'-tetrahydrocannabinol administered by aerosol in, bronchodilator effect of, 720
treated with steroids, opportunistic pulmonary strongyloidiasis in, 226
ASTOLFI, D., DI CARLO, D., EUSANIO, G., and MARCELLETTI, C.: Repair of traumatic aortic arch to innominate vein fistula under deep hypothermia and circulatory arrest, 753
ATHERTON, S. T., WRIGHT, D. M., WHITE, D. J., and JONES, E. S.: Antibiotic policy for bacterial infections complicating thoracic and other injuries (P), 484
ATKINSON, M. *See* STEWART, I. M., HOSKING, D. J., *et al.*
Atrium, left, small tumours of, echocardiographic findings in (P), 489
AXFORD, A. T., COTES, J. E., and GILSON, J. C.: Ten-year follow-up of three patients with beryllium disease (P), 491
AYTAÇ, A., and SAYLAM, A.: Successful surgical repair of congenital total cleft sternum with partial ectopia cordis, 466
BACHIR, G. S., and COLLIS, J. L.: Effect of perfusion of bile salts solutions into the oesophagus of hiatal hernia patients and controls, 271

B

Bacterial infections complicating thoracic and other injuries, timing of antibiotic therapy in (P), 484
precipitins and immunoglobulin class in atopic and non-atopic asthma and chronic bronchitis, 419
BADDELEY, J. *See* SINCLAIR-SMITH, C. C., EMERY, J. L., *et al.*
BAIN, W. H. *See* KAUL, T. K., BAIN, W. H., *et al.*
BAJOGHLI, M. *See* SEHHAT, S., HAZEGHI, K., *et al.*
BARER, G. *See* LEACH, E., HOWARD, P., *et al.*
Baritosis, 30
BARNSLEY, W. C. *See* BUTCHART, E. G., ASHCROFT, T., *et al.*
BATEMAN, S. *See* JOHNSON, A. J., PIDGEON, J., *et al.*
—. *See* TICKNER, T. R., CRAMP, D. G., *et al.*
Beclomethasone dipropionate aerosol therapy, long-term, in juvenile asthma, 309
BEEKHUIS, H. *See* RASKER, J. J., BEEKHUIS, H., *et al.*
BELCHER, J. R.: Late deaths from resection of bronchial carcinoma (P), 492
—. *See also* COOPER, D. K. C., and BELCHER, J. R.
BELLAMY, D., and COLLINS, J. V.: Patterns of onset of severe asthma (P), 487
BELTRAMI, V., and GIDARO, G.: Resection and reconstruction of the sternum: case report, 350
BENSON, M. K., FLETCHER, C. M., PRIDE, N. B., and TATTERSALL, S. F.: A study of the prognostic relevance and repeatability of 'sensitive' tests of lung function (P), 482
BERNSTEIN, A. *See* CHARLES, J., BERNSTEIN, A., *et al.*
BERTELSEN, S., and AASTED, A.: Results of operative treatment of hypopharyngeal diverticulum, 544
Beryllium disease, 10-year follow-up of 3 patients with (P), 491
Beta-adrenergic agonists, resistance to (P), 488
BETHUNE, D. W.: Changes in memory function after open-heart surgery (P), 486
—. *See also* WHEELDON, D. R., BETHUNE, D. W., *et al.*
Bile salts solutions, perfusion into oesophagus of hiatal hernia patients and controls, effect of, 271
Biopsy, transbronchial, role of (P), 483
trephine, of lung in management of cryptogenic fibrosing alveolitis (P), 483
Bird fanciers with acute allergic alveolitis, influenza and parainfluenza virus titres in (P), 238
Björk-Shiley and Hancock aortic valve replacements, hydraulic characteristics of, *in-vitro* comparison of (P), 489
valve replacement, experience with 390 patients (P), 490
Blastoma, pulmonary, 197
pulmonary, 2 cases and review of literature, 776
BLENNERHASSETT, J. B., BORRIE, J., LICHTER, I., and TAYLOR, A. J.: Localized pulmonary Wegener's granuloma simulating lung cancer: report of four cases 576
Blood circulation and oxygenation, cellular aggregation and destruction during, 405
flow through aortocoronary grafts and reactive hyperaemia in relation to postoperative myocardial infarction, 172
gas tensions, arterial, hydrogen ion, and electro-

Blood—contd.
encephalogram during sleep in chronic ventilatory failure, 730
plasma, and urine, histamine levels in severe asthma, and effect of corticosteroid treatment, 724
BLUNDELL, G. *See* COLE, R. B., NEVIN, N. C., *et al.*
BODDY, K. *See* HOWIE, A. D., PACK, A. I., *et al.*
BORRIE, J. *See* BLENNERHASSETT, J. B., BORRIE, J., *et al.*
BOYD, G. *See* HOWIE, A. D., BOYD, G., *et al.*
BRAHIM, S. A. *See* NEWBALL, H. H., and BRAHIM, S. A.
BRAIMBRIDGE, M. V. *See* STEPHEN, J. G., BRAIMBRIDGE, M. V., *et al.*
BRANCHINI, B., ZINGONE, B., and VACCARI, M.: Ascending aortic false aneurysm following cannulation for perfusion, 234
BRANTHWAITE, M. A.: Neurological damage after open-heart surgery (P), 486
Breathing, stimulated, pattern of, in chronic airflow obstruction (P), 243
BRENNAN, S. R. *See* HOWARD, P., BRENNAN, S. R., *et al.*
BRITTON, M. G., and HUGHES, D. T. D.: Serial pulmonary function tests in patients with asbestosis (P), 491
Bromocriptine in treatment of intractable asthma (P), 488
Bronchial adenoma, conservative surgery for, 44
adenoma, 18-year experience at Brompton Hospital, 245
asthma, severe, acute attacks of, lipid changes during, and after therapy (P), 240
carcinoid, multifocal, diffuse pulmonary infiltration by, 212
carcinoma, cobalt-57-bleomycin scanning of hila and mediastinum in, 641
carcinoma, immunology of, 493
carcinoma, resection of, late deaths from (P), 492
carcinoma with pre-existing unilateral lung disease, 650
hyperreactivity after virus infections of respiratory tract (P), 487
Bronchitis, chronic, and atopic and non-atopic asthma, bacterial precipitins and immunoglobulin class in, 419
chronic, and emphysema complicated by cor pulmonale, long-term domiciliary oxygen therapy in, 414
chronic, doxycycline in serum and sputum in, 144
chronic, 10 years' measurements and observations of, 25
Bronchoconstriction induced by 15-me $PGF_{2\alpha}$, pattern of total and regional lung function in, 685
Bronchodilator effect of Δ'-tetrahydrocannabinol administered by aerosol in asthma, 720
Bronchodilators, inhaled, airway responses to, in reversible airflow obstruction (P), 242
BRUCE, C., WEATHERSTONE, R., SEATON, A., and TAYLOR, W. H.: Histamine levels in plasma, blood, and urine in severe asthma, and the effect of corticosteroid treatment, 724
BRYANT, D. *See* TAYLOR, A. J. N., TAYLOR, P., *et al.*
BUCHNER, Y. *See* COLLINS, J. V., BUCHNER, Y., *et al.*
BURR, L. H., KRAYENBUHL, C. U., SUTTON, M. G. ST. J., and PANETH, M.: A new technique for mitral valve repair: early post-operative results (P), 490
Busulphan, cyclophosphamide and placebo, controlled trial after resection for carcinoma of lung, chest radiographs in, 265
BUTCHART, E. G., ASHCROFT, T., BARNSLEY, W. C., and HOLDEN, M. P.: Pleuropneumonectomy in the management of diffuse malignant mesothelioma of the pleura: experience with 29 patients, 15

C

CAFFARENA, J. M., GARCIA SANCHEZ, F., CONCHA, M., GOMEZ-ULLATE, J. M., PERIS, J. J., FRIAS, R., OTERO, E., FERRER, H., and MONTERO, A.: Double outlet right ventricle with L-position of the aorta, D-loop, subaortic VSD, and pulmonary stenosis, 588
CAMPBELL, A. H. *See* O'CONNELL, J. M., and CAMPBELL, A. H.
CAMPBELL, H. *See* LYONS, J. P., and CAMPBELL, H.
CAMPBELL, I. A., MIDDLETON, W. G., MACKENZIE, R., SHOTTER, M. V., MCHARDY, G. J. R., and KAY, A. B.: Interaction between isoprenaline and aminophylline in asthma (P), 488
CANCRINI, A. *See* GULA, G., CANCRINI, A., *et al.*
Cannulation for perfusion, ascending aortic false aneurysm after, 234
CAPLIN, M. *See* ERAUT, C. D., EVANS, J. A., *et al.*
—. *See* EVANS, J. A., ERAUT, C. D., *et al.*
Carbon dioxide, ventilatory response to, effect of nitrazepam and flurazepam, 548
Carcinoid, bronchial, multifocal, diffuse pulmonary infiltration by, 212
Carcinoma, bronchial, cobalt-57-bleomycin scanning of hila and mediastinum in, 641
bronchial, immunology of, 493
bronchial, resection of, late deaths from (P), 492
bronchial, with pre-existing unilateral lung disease, 650
pulmonary, in women, 254
pulmonary, localized pulmonary Wegener's granuloma simulating, 4 cases of, 576
pulmonary, primary, second, 507
pulmonary, resection for, chest radiographs in controlled trial of busulphan, cyclophosphamide and placebo after, 265
renal, pulmonary metastases from, in hypertrophic pulmonary osteoarthropathy, 205
Cardiac hypothermia, topical, cooling circuit for, 565
Kaposi's sarcoma, primary, 595
surgery, cytomegalovirus-induced haemolytic anaemia after, 786
Cardiopulmonary bypass, psychiatric sequelae of (P), 486
bypass, transitory cerebral microvascular blockade after, 736
Cardiorespiratory state after septation of primitive ventricular heart (P), 489
Cardiovascular depressant effect of protamine sulphate, experimental study and clinical implications of, 320
Carotid bodies, enlargement at high altitudes (P), 480
Cartilage in lungs of children, quantitative assessment from right middle lobe, 40
CAVES, P. K. *See* IHEKWABA, F. N., DAVIDSON, K. G., *et al.*
CAYTON, R. M.: Status asthmaticus and death from asthma (P), 240
—. *See also* HOWARD, P., BRENNAN, S. R., *et al.*
Cellular aggregation and destruction during blood circulation and oxygenation, 405
Cerebral microvascular blockade, transitory, after cardiopulmonary bypass, 736
CHANMUGAM, D. *See* RASARETNAM, R., CHANMUGAM, D., *et al.*
CHARLES, J., BERNSTEIN, A., JONES, B., JONES, D. J., EDWARDS, J. H., SEAL, R. M. E., and SEATON, A.: Hypersensitivity pneumonitis after exposure to isocyanates, 127
CHEN, C. F. *See* FANG, H. S., and CHEN, C. F.
Chest injury, non-penetrating, mitral incompetence and ventricular septal defects after, 113
radiographs in controlled trial of busulphan, cyclophosphamide and placebo after resection for carcinoma of lung, 265
CHIARIELLO, L., VLAD, P., and SUBRAMANIAN, S.: Surgical treatment of congenital valvular aortic stenosis, 398
Chlorphentermine, effect on lipids of rat lungs, 558

Chylothorax complicating ductus ligation through median sternotomy, 610
Chyluria as presenting symptom of lymph node tuberculosis, 617
Circulatory arrest and deep hypothermia, repair of traumatic aortic arch to innominate vein fistula under, 753
Cirrhosis of liver and hypoxaemia, 303
CLANCY, L. J. *See* LEGGETT, R. J. E., COOKE, N. J., *et al.*
—. *See* LEITCH, A. G., CLANCY, L. J., *et al.*
CLARK, R. A. *See* SMITH, R. H., RADFORD, D. J., *et al.*
CLARK, T. J. H., and HETZEL, M. R.: Diurnal variation of asthma (P), 487
CLARKE, C. P. *See* DANIEL, F. J., CLARKE, C. P., *et al.*
CLARKE, C. W.: Aspects of serum and sputum antibody in chronic airways obstruction, 702
CLARKE, S. W. *See* TICKNER, T. R., CRAMP, D. G., *et al.*
Coal miners' pneumoconiosis, evolution of disability in, 527
Cobalt-57-bleomycin scanning of hila and mediastinum in bronchial carcinoma, 641
COLE, R. B., NEVIN, N. C., BLUNDELL, G., MERRETT, J. D., MCDONALD, J. R., and JOHNSTON, W. P.: Relation of alpha-1-antitrypsin phenotype to the performance of pulmonary function tests and to the prevalence of respiratory illness in a working population, 149
COLLINS, J. V., BUCHNER, Y., PATTISON, J. R., and HEATH, R. B.: Diagnosis of recent viral infection from single serum samples (P), 241
—. *See also* BELLAMY, D., and COLLINS, J. V.
—. *See also* JONES, D. P., O'CONNOR, S. A., *et al.*
COLLINS, P., COTTON, R. C., and DUFF, R. S.: Symptomatic mitral myxomatous transformation in the elderly, 765
COLLIS, J. L. *See* BACHIR, G. S., and COLLIS, J. L.
—. *See* KALLOOR, G. J., DESHPANDE, A. H., *et al.*
Complement components and IgE in asthmatics with aspirin idiosyncrasy, 425
CONCHA, M. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
Convulsions. *See* Grand mal
COOKE, N. J. *See* LEGGETT, R. J. E., COOKE, N. J., *et al.*
COOPER, D. K. C., and BELCHER, J. R.: Conservative surgery for bronchial adenomata, 44
—, and STURRIDGE, M. F.: Constrictive epicarditis following Coxsackie virus infection, 472
Cor pulmonale complicating chronic bronchitis and emphysema, long-term domiciliary oxygen therapy in, 414
pulmonale, total body potassium in, 708
Coronary artery disease, left main stem, review of 26 patients treated surgically or medically, 522
artery, left, anomalous origin from pulmonary artery with coronary artery steal in adults, 337
bypass, free internal mammary artery grafts for, 181
Correction, 244
CORRIN, B. *See* STEPHEN, J. G., BRAIMBRIDGE, M. V., *et al.*
Corticosteroid treatment, effect on histamine levels in plasma, blood, and urine in severe asthma, 724
Corticosteroids, asthma treated with, opportunistic pulmonary strongyloidiasis in, 226
COTES, J. E. *See* AXFORD, A. T., COTES, J. E., *et al.*
COTTON, E. *See* MATTHAY, M. A., MATTHAY, R. A., *et al.*
COTTON, R. C. *See* COLLINS, P., COTTON, R. C., *et al.*
Coxsackie virus infection, constrictive epicarditis after, 472
CRAMP, D. G. *See* TICKNER, T. R., CRAMP, D. G. *et al.*
Cryptococcosis, pulmonary, localized lesions of, resection for, 121
CUMMISKEY, J. M., MCLAUGHLIN, H., and KEELAN, P.: T and B lymphocytes in sarcoidosis: a clinical correlation, 665
Cyanotic heart disease, palliation by Potts' aortopulmonary shunt, evaluation of, 394
Cyclophosphamide, busulphan and placebo, controlled trial after resection for carcinoma of lung, chest radiographs in, 265
Cystic fibrosis, hypertrophic osteoarthropathy in adults with, 572
Cytomegalovirus, haemolytic anaemia induced after cardiac surgery by, 786

D

DAGGETT, P., JOHNSTON, I. D. A., and LOWE, D.: A large intrathoracic parathyroid adenoma, 782
DANIEL, F. J., CLARKE, C. P., RICHARDSON, J. P., WESTLAKE, G. W., and JONES, P. G.: An evaluation of Potts' aortopulmonary shunt for palliation of cyanotic heart disease, 394
DARKE, C. S., KNOWELDEN, J., LACEY, J., and WARD, A. M.: Respiratory disease of workers harvesting grain, 294
DAVIDSON, J. S.: High peptic stricture of the oesophagus, 1
DAVIDSON, K. G. *See* IHEKWABA, F. N., DAVIDSON, K. G., *et al.*
DAVIES, R. J., HOLFORD-STREVENS, V. C., WELLS, I. D., and PEPYS, J.: Bacterial precipitins and their immunoglobulin class in atopic asthma, non-atopic asthma, and chronic bronchitis, 419
DAVIS, J. N. *See* GIBSON, G. J., PRIDE, N. B., *et al.*
DAWSON, P. *See* LEITCH, A. G., CLANCY, L. J., *et al.*
DAY, D. *See* STEPHEN, J. G., BRAIMBRIDGE, M. V., *et al.*
DAY, L. J., VALLIN, H. O., and SOWTON, E.: Left main stem coronary artery disease: retrospective review of 26 patients treated surgically or medically, 522
Dead space ventilation in normal children and children with obstructive airways disease, 63
Decompression, pulmonary haemorrhage induced by, influence of long-term intermittent exposures to hypoxia, 91
DELANEY, J. C., and KAY, A. B.: Complement components and IgE in patients with asthma and aspirin idiosyncrasy, 425
DERCKSEN, S. *See* SKOTNICKI, S., VONK, J., *et al.*
DESHPANDE, A. H. *See* KALLOOR, G. J., DESHPANDE, A. H., *et al.*
Detergents, enzyme, proteolytic. biological effects of, 621
DEUTSCH, V. *See* HERTZEANU, H., DEUTSCH, V., *et al.*
Diabetes mellitus, oesophageal motor changes in, 278
Diaphragmatic hernia, congenital, repair of, persistent lung hypoplasia after, 450
paralysis, unilateral, regional lung function in, 438
DI CARLO, D. *See* ASTOLFI, D., DI CARLO, D., *et al.*
DINSDALE, F. *See* SINCLAIR-SMITH, C. C., EMERY, J. L., *et al.*
Disodium cromoglycate, influence on lung mast cells in hypoxia, 94
Diverticulum, hypopharyngeal, operative treatment of, results of, 544
DOIG, A. T.: Baritosis: a benign pneumoconiosis, 30
DOMINGUEZ REBOIRAS, S. *See* LAGO VIGUERA, J., LOPEZ PUJOL, J., *et al.*
Doxycycline in serum and sputum in chronic bronchitis, 144
Ductus arteriosus, patent, ligation through median sternotomy, chylothorax complicating, 610
DUFF, R. S. *See* COLLINS, P., COTTON, R. C., *et al.*
DUKE, J. J. *See* FADALI, M. A., PAPACOSTAS, C. A., *et al.*
Dyspnoea, inspiratory, and airways obstruction, respiratory mechanics in, 669

E

EBEID, A. M. *See* ABDULMAJID, O. A., EBEID, A. M., *et al.*
Echocardiographic findings in small left atrial tumours (P), 489
Ectopia cordis, partial, and congenital total cleft sternum, surgical repair of, 466
EDWARDS, J. H. *See* CHARLES, J., BERNSTEIN, A., *et al.*
EDWARDS, M. H.: Selective vagotomy of the canine oesophagus—a model for the treatment of hiatal hernia, 185
—: Selective vagotomy of the oesophagus—a new possibility for treatment of hiatal hernia (P), 241
Electroencephalogram, arterial blood gas tensions, and hydrogen ion during sleep in chronic ventilatory failure, 730
Electron microscope study, scanning, of surface ultrastructure of silicone rubber aortic valve poppets after long-term implantation, 742
microscopy in cytological examination of metastatic pleural effusions, 443
Embolectomy, pulmonary, haemorrhagic pulmonary oedema after, 605
Embolism, paradoxical, complicating massive pulmonary embolus, 354
EMERY, J. L. *See* MITHAL, A., and EMERY, J. L.
—. *See* SINCLAIR-SMITH, C. C., EMERY, J. L., *et al.*
EMPEY, D. W., LAITINEN, L. A. I., JACOBS, L., GOLD, W. M., and NADEL, J. A.: Bronchial hyperreactivity after virus infections of the respiratory tract (P), 487
Emphysema and chronic bronchitis complicated by cor pulmonale, long-term domiciliary oxygen therapy in, 414
Endocarditis, infective, survey in South-East Region of Scotland (1969–72), 373
prosthetic valve, due to *Aspergillus fumigatus*, 380
ENGLISH, T. A. H. *See* WHEELDON, D. R., BETHUNE, D. W., *et al.*
Enzyme detergents, proteolytic, biological effects of, 621
Epicarditis, constrictive, after Coxsackie virus infection, 472
Epithelium, tracheal, squamous metaplasia of, in children, 167
Epoxy resin systems, occupational asthma in workers using (P), 238
ERAUT, C. D., EVANS, J. A., and CAPLIN, M.: Pulmonary necrobiotic rheumatoid nodules without rheumatoid arthritis (P), 492
—. *See also* EVANS, J. A., ERAUT, C. D., *et al.*
ESCAROUS, A. *See* KAUL, T. K., BAIN, W. H., *et al.*
Ethambutol, *M. tuberculosis* resistance to, clinical survey of (P), 484
EUSANIO, G. *See* ASTOLFI, D., DI CARLO, D., *et al.*
EVANS, C. C.: HLA antigens in diffuse fibrosing alveolitis (P), 483
EVANS, J. A., ERAUT, C. D., and CAPLIN, M.: Diagnosis of pleural effusion (P), 485
—. *See also* ERAUT, C. D., EVANS, J. A., *et al.*
EVANS, J. I. *See* LEITCH, A. G., CLANCY, L. J., *et al.*
EWEN, S. W. B. *See* SKINNER, C., and EWEN, S. W. B.
Exercise, asthma induced by, inhibition by different pharmacological pathways, 137
Extracorporeal circulation and oxygenation, cellular aggregation and destruction during, 405

F

Factory machine, contaminated water from, extrinsic allergic alveolitis produced by (P), 238
FADALI, M. A., PAPACOSTAS, C. A., DUKE, J. J., LEDBETTER, M., and OSBAKKEN, M.: Cardiovascular depressant effect of protamine sulphate: experimental study and clinical implications, 320
FAGAN, D. G.: Post-mortem studies of the semistatic volume-pressure characteristics of infants' lungs, 534
FANG, H. S., and CHEN, C. F.: Influence of long-term intermittent exposures to hypoxia on decompression-induced pulmonary haemorrhage, 91
FAWCETT, I. W., and PEPYS, J.: Occupational asthma in workers using epoxy resin systems (P), 238
FERRER, H. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
Fibrosis, cystic, hypertrophic osteoarthropathy in adults with, 572
FINE, G. *See* JEONG, U-G., KHAN, A. A., *et al.*
Fistula, aorta to innominate vein, and traumatic aortic arch, repair under deep hypothermia and circulatory arrest, 753
formation and lung abscess due to oesophageal moniliasis, 361
FLENLEY, D. C. *See* LEGGETT, R. J. E., COOKE, N. J., *et al.*
FLETCHER, C. M. *See* BENSON, M. K., FLETCHER, C. M., *et al.*
FLETCHER, F. *See* JOHNSTON, R. N., MCNEILL, R. S., *et al.*
Flurazepam and nitrazepam, effect on ventilatory response to carbon dioxide, 548
FOLGER, G. M., JR. *See* JEONG, U-G., KHAN, A. A., *et al.*
Foreign bodies, aspirated, in tracheobronchial tree, 250 cases of, 635
FOX, R. T. *See* JACOBSON, M. J., ZAND, L., *et al.*
FOX, W. *See* HEFFERNAN, J. F., NUNN, A. J., *et al.*
—. *See* STOTT, H., STEPHENS, R., *et al.*
FRANCIS, R. S.: Long-term beclomethasone dipropionate aerosol therapy in juvenile asthma, 309
FREEDMAN, N. *See* GODFREY, S., HAMILTON, G., *et al.*
FREEDMAN, S., SURI, D. K., and HARDING, S. M.: Response to oral and inhaled steroids in patients with chronic airways obstruction (P), 482
FRIAS, R. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
FRIEND, J. A. R., GADDIE, J., PALMER, K. N. V., PICKERING, C. A. C., and PEPYS, J.: Contaminated water from a factory machine producing extrinsic allergic alveolitis (P), 238
FUNAHASHI, A., KUTTY, A. V. P., and PRATER, S. L.: Hypoxaemia and cirrhosis of the liver, 303

G

GADDIE, J. *See* FRIEND, J. A. R., GADDIE, J., *et al.*
GADSDON, D. *See* SINCLAIR-SMITH, C. C., EMERY, J. L., *et al.*
GARCIA SANCHEZ, F. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
GARRAD, C. S., and LANE, D. J.: Pattern of stimulated breathing in patients with chronic airflow obstruction (P), 243
GARVEY, J. W., WISOFF, G., VOLETTI, C., and HARTSTEIN, M.: Haemorrhagic pulmonary oedema: post-pulmonary embolectomy, 605
Gas tensions, arterial blood, hydrogen ion, and electroencephalogram during sleep in chronic ventilatory failure, 730
GEDDES, D. M., RUDOLF, M., and SAUNDERS, K. B.: Effect of nitrazepam and flurazepam on the ventilatory response to carbon dioxide, 548
GIBSON, G. J., PRIDE, N. B., and DAVIS, J. N.: Pulmonary mechanics in respiratory muscle weakness (P), 243
GIBSON, P. *See* SMITH, F. S., GIBSON, P., *et al.*
GIBSON, R. V. *See* TRAILL, T. A., SUTTON, M. G. ST. J., *et al.*
GIDARO, G. *See* BELTRAMI, V., and GIDARO, G.

GILL, R. D. *See* WHEELDON, D. R., BETHUNE, D. W., *et al.*
GILSON, J. C. *See* AXFORD, A. T., COTES, J. E., *et al.*
GILSON, R. J. C. *See* MILLER, G. J., SAUNDERS, M. J., *et al.*
GLOSTER, J., HEATH, D., HASLETON, P., and HARRIS, P.: Effect of chlorphentermine on the lipids of rat lungs, 558
GODFREY, S., HAMILTON, G., FREEDMAN, N., and WINLOVE, P.: Use of radioactive N_2 in demonstrating localized disease in children believed to have asthma (P), 244
—, and KÖNIG, P.: Inhibition of exercise-induced asthma by different pharmacological pathways, 137
GOLD, W. M. *See* EMPEY, D. W., LAITINEN, L. A. I., *et al.*
GOLDSTRAW, P., and WALBAUM, P. R.: Hypertrophic pulmonary osteoarthropathy and its occurrence with pulmonary metastases from renal carcinoma, 205
GOMEZ-ULLATE, J. M. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
Gonystylus bancanus (Ramin), pulmonary hypersensitivity to, 585
GONZALEZ-LAVIN, L. *See* JEONG, U-G., KHAN, A. A., *et al.*
GOSSAGE, A. A. R., ROBERTSON, P. W., and STEPHENSON, S. F.: Spontaneous pneumopericardium, 460
Grafts, aortocoronary, blood flow and reactive hyperaemia in relation to postoperative myocardial infarction, 172
free internal mammary artery, for coronary bypass, 181
pericardial, mitral valve reconstruction by posterior cusp advancement using, long-term follow-up in 9 patients, 324
GRAHAM, J. D. P. *See* WILLIAMS, S. J., HARTLEY, J. P. R., *et al.*
Grain harvesting workers, respiratory disease in, 294
Grand mal seizure induced by oral theophylline, 470
Granuloma, Wegener's, pulmonary, localized, simulating lung cancer, 4 cases of, 576
Granulomatosis of lung and necrotizing 'sarcoidal' angiitis, 356
GULA, G., CANCRINI, A., and PROVENZALE, L.: Resection of a leiomyoma of the descending thoracic aorta, 118

H

Haemophilia, mild, spontaneous haemothorax in, 601
Haemorrhage, pulmonary, induced by decompression, influence of long-term intermittent exposures to hypoxia, 91
Haemorrhagic pulmonary oedema after pulmonary embolectomy, 605
Haemothorax, spontaneous, in mild haemophilia, 601
HALL, D. R. *See* MORGAN, E. J., and HALL, D. R.
HAMILTON, D. I. *See* JONES, R. S., WILKINSON, J. L., *et al.*
HAMILTON, G. *See* GODFREY, S., HAMILTON, G., *et al.*
Hancock and Björk-Shiley aortic valve replacements, hydraulic characteristics of, *in-vitro* comparison of (P), 489
HANSEN, J. L.: Refractory pneumothorax treated by parietal pleurolysis, 652
HARDING, S. M. *See* FREEDMAN, S., SURI, D. K., *et al.*
HARLEY, H. R. S.: Cancer of the lung in women, 254
—: Malignant pleural effusions (P), 485
HARRIS, P. *See* GLOSTER, J., HEATH, D., *et al.*
HARRISON, B. D. W.: Use of respiratory function tests in diagnosis and management of patients with airway obstruction between the mouth and carina (P), 482
HARTLEY, J. P. R. *See* WILLIAMS, S. J., HARTLEY, J. P. R., *et al.*
HARTNETT, B. J. S., and MARLIN, G. F.: Doxycycline in serum and bronchial secretions, 144
HARTSTEIN, M. *See* GARVEY, J. W., WISOFF, G., *et al.*
HASLETON, P. *See* GLOSTER, J., HEATH, D., *et al.*
Hay fever, lung function abnormalities in, 80
HAZEGHI, K. *See* SEHHAT, S., HAZEGHI, K., *et al.*
HEARD, B. E. *See* HIGENBOTTAM, T. W., and HEARD, B. E.
—. *See* WRIGHT, P. H., STEEL, S. J., *et al.*
Heart and lungs in fatal and non-fatal chronic airways obstruction, pathological study of, 70
disease, cyanotic, palliation by Potts' aortopulmonary shunt, evaluation of, 394
surgery, open, effect on intellectual function (P), 487
surgery, open, memory function changes after (P), 486
surgery, open, neurological damage after (P), 486
valve(s). *See* Valve(s)
See also Cardiac
HEATH, D. *See* GLOSTER, J., HEATH, D., *et al.*
HEATH, D. A., and WILLIAMS, D. R.: Monge's disease (P), 481
HEATH, R. B. *See* COLLINS, J. V., BUCHNER, Y., *et al.*
HEFFERNAN, J. F., NUNN, A. J., PETO, J., and FOX, W.: A study of methods and results of treatment of pulmonary tuberculosis in Scotland (P), 241
Hernia, diaphragmatic, congenital, repair of, persistent lung hypoplasia after, 450
hiatal. *See* Hiatal hernia
HERTZEANU, H., DEUTSCH, V., YAHINI, J. H., LIEBERMAN, Y., and NEUFELD, H. N.: Left ventricular aneurysm of unusual aetiology: report of two cases, 220
HETZEL, M. R. *See* CLARK, T. J. H., and HETZEL, M. R.
Hiatal hernia, effect of perfusion of bile salts solutions into oesophagus in, 271
hernia, selective vagotomy of canine oesophagus as model for treatment of, 185; (P), 241
HIGENBOTTAM, T. W., and HEARD, B. E.: Opportunistic pulmonary strongyloidiasis complicating asthma treated with steroids, 226
Hila and mediastinum, cobalt-57-bleomycin scanning of, in bronchial carcinoma, 641
HINSON, K. W. *See* LAWSON, R. M., RAMANATHAN, L., *et al.*
HISLOP, A., and REID, L.: Persistent hypoplasia of the lung after repair of congenital diaphragmatic hernia, 450
Histamine levels in plasma, blood, and urine in severe asthma, and effect of corticosteroid treatment, 724
Histiocytoma, fibrous, of lung, 475
HLA antigens in diffuse fibrosing alveolitis (P), 483
HOLDEN, M. P. *See* BUTCHART, E. G., ASHCROFT, T., *et al*
HOLFORD-STREVENS, V. C. *See* DAVIES, R. J., HOLFORD-STREVENS, V. C., *et al.*
HOLGATE, S. T., and TATTERSFIELD, A. E.: Resistance to beta-adrenergic agonists (P), 488
HOLT, S., and KIRKHAM, N.: Cytomegalovirus-induced haemolytic anaemia after cardiac surgery, 786
HOMAN VAN DER HEIDE, J. N. *See* RASKER, J. J., BEEKHUIS, H., *et al.*
Homograft valve replacement, miliary tuberculosis after, 101
HONEY, M., PEARSON, M. C., and PATTINSON, J. N.: A unique pulmonary venous abnormality: with associated pulmonary arterial anomaly and arteriovenous malformation, 190
HORSFIELD, K. *See* NICHOLLS, A. C., and HORSFIELD, K.
HOSKING, D. J. *See* STEWART, I. M., HOSKING, D. J., *et al.*
HOWARD, P., BRENNAN, S. R., ANDERSON, P. B., and CAYTON, R. M.: Aerosolized lignocaine and irritable airways (P), 242
—. *See also* LEACH, E., HOWARD, P., *et al.*
HOWIE, A. D., BOYD, G., and MORAN, F.: Pulmonary hypersensitivity to Ramin (*Gonystylus bancanus*), 585
—, PACK, A. I., BODDY, K., and MAHAFFEY, M.: Total body potassium in cor pulmonale, 708
—, —, —, —, and MORAN, F.: Whole-body potassium in chronic airway obstruction (P), 484

HUGHES, D. T. D. *See* BRITTON, M. G., and HUGHES, D. T. D.
HURLEY, G. *See* LAWSON, R. M., RAMANATHAN, L., *et al.*
Hydrogen ion, arterial blood gas tensions, and electroencephalogram during sleep in chronic ventilatory failure, 730
Hyperaemia, reactive, and aortocoronary graft blood flow in relation to postoperative myocardial infarction, 172
Hypersensitivity pneumonitis after exposure to isocyanates, 127
Hypertension, pulmonary, at high altitudes (P), 480
pulmonary, severe, mitral valve replacement in presence of, 332
Hypopharyngeal diverticulum, operative treatment of, results of, 544
Hypothermia, cardiac, topical, cooling circuit for, 565
deep, and circulatory arrest, repair of traumatic aortic arch to innominate vein fistula under, 753
Hypoxaemia and cirrhosis of liver, 303
Hypoxia, long-term intermittent exposures to, influence on decompression-induced pulmonary haemorrhage, 91
lung mast cells in, influence of disodium cromoglycate, 94

I

IHEKWABA, F. N., DAVIDSON, K. G., OGILVIE, B., and CAVES, P. K.: Anomalous origin of the left coronary artery from the pulmonary artery with coronary artery steal in adults: report of two cases and review of the literature, 337
Immunoglobulin E and complement components in asthmatics with aspirin idiosyncrasy, 425
Immunoglobulin, plasma and other cells containing, distribution in normal respiratory tract and class of immunoglobulin contained, 158
Immunology of bronchial carcinoma, 493
Infants, lungs of, semistatic volume-pressure characteristics of, post-mortem studies of, 534
Influenza and parainfluenza virus titres in bird fanciers with acute allergic alveolitis (P), 238
Injuries, thoracic and other, bacterial infections complicating, timing of antibiotic therapy in (P), 484
Intellectual function, effect of open-heart surgery (P), 487
Intrathoracic parathyroid adenoma, large, 782
Ionized air treatment, long-term, effect in bronchial asthma, 428
ISHIKAWA, S. *See* YONEYAMA, T., NARUKE, T., *et al.*
Isocyanates, exposure to, hypersensitivity pneumonitis after, 127
Isoprenaline and aminophylline interaction in asthma (P), 488

J

JACOBS, L. *See* EMPEY, D. W., LAITINEN, L. A. I., *et al.*
JACOBSON, M. J., ZAND, L., FOX, R. T., and LEES, W.: A comparison of wedge and segmental resection of the lung, 365
Jamaica, lung function superiority of children in hill-farming area as compared with urban area in (P), 481
JAMES, D. G. *See* NEVILLE, E., MILLS, R. G. S., *et al.*
JASH, D. K. *See* NEVILLE, E., MILLS, R. G. S., *et al.*
JEONG, U-G., KHAN, A. A., FINE, G., FOLGER, G. M., JR., and GONZALEZ-LAVIN, L.: Degenerative changes in aortic root allografts placed in the right ventricular outflow tract of growing puppies, 757
JOHNSON, A. J., PIDGEON, J., BATEMAN, S., SPIRO, S. G., and PATERSON, J. W.: Comparison of aminophylline and salbutamol infusion in the treatment of acute attacks of asthma (P), 239
—. *See also* TICKNER, T. R., CRAMP, D. G., *et al.*
JOHNSTON, I. D. A. *See* DAGGETT, P., JOHNSTON, I. D. A., *et al.*
JOHNSTON, R. N., MCNEILL, R. S., SMITH, D. H., LEGGE, J. S., and FLETCHER, F.: Chronic bronchitis: measurements and observations over 10 years, 25
JOHNSTON, W. P. *See* COLE, R. B., NEVIN, N. C., *et al.*
JOLOBE, O. M. P., PRICHARD, J. S., and LANE, D. J.: Airway responses to inhaled bronchodilators in patients with reversible airflow obstruction (P), 242
JONES, B. *See* CHARLES, J., BERNSTEIN, A., *et al.*
JONES, D. G. *See* KAY, A. B., JONES, D. G., *et al.*
JONES, D. J. *See* CHARLES, J., BERNSTEIN, A., *et al.*
JONES, D. P., O'CONNOR, S. A., COLLINS, J. V., and WATSON, B. W.: Effect of long-term ionized air treatment on patients with bronchial asthma, 428
JONES, E. S. *See* ATHERTON, S. T., WRIGHT, D. M., *et al.*
JONES, J. V. *See* KAUL, T. K., BAIN, W. H., *et al.*
JONES, P. G. *See* DANIEL, F. J., CLARKE, C. P., *et al.*
JONES, R. S., WILKINSON, J. L., ARNOLD, R., and HAMILTON, D. I.: Cardiorespiratory state after successful septation of the primitive ventricular heart (P), 489
JOSE, P., PIPER, P. J., NIEDERHAUSER, U., ROBINSON, C., and SMITH, A. P.: Degradation of prostaglandin$_{2\alpha}$ in the human pulmonary circulation, 713
JULIAN, D. G. *See* SMITH, R. H., RADFORD, D. J., *et al.*

K

KALLOOR, G. J., DESHPANDE, A. H., and COLLIS, J. L.: Observations on oesophageal length, 284
Kaposi's sarcoma, cardiac, primary, 595
KAUL, T. K., BAIN, W. H., JONES, J. V., LORIMER, A. R., THOMSON, R. M., TURNER, M. A., and ESCAROUS, A.: Mitral valve replacement in the presence of severe pulmonary hypertension, 332
—, —, TURNER, M. A., and TAYLOR, K. M.: Chylothorax: report of a case complicating ductus ligation through a median sternotomy, and review, 610
KAY, A. B., JONES, D. G., and TURNBULL, L. S.: Slow reacting substance as a preformed mediator from human lung (P), 239
—. *See also* CAMPBELL, I. A., MIDDLETON, W. G., *et al.*
—. *See also* DELANEY, J. C., and KAY, A. B.
KAY, J. M.: Pulmonary hypertension (P), 480
KEELAN, P. *See* CUMMISKEY, J. M., MCLAUGHLIN, H., *et al.*
KEIGHLEY, J. F. H. *See* ASHUTOSH, K., and KEIGHLEY, J. F. H.
KENNEDY, A., and PRIOR, A. L.: Pulmonary blastoma: a report of two cases and a review of the literature, 776
KERR, A. A.: Dead space ventilation in normal children and children with obstructive airways disease, 63
KHAN, A. A. *See* JEONG, U-G., KHAN, A. A., *et al.*
KIHLGREN, M. *See* ÅBERG, T., and KIHLGREN, M.
KIRBY, B. J. *See* LEGGETT, R. J. E., COOKE, N. J., *et al.*
KIRKHAM, N. *See* HOLT, S., and KIRKHAM, N.
KLEIBO, I. S. *See* ABDULMAJID, O. A., EBEID, A. M., *et al.*
KNOWELDEN, J. *See* DARKE, C. S., KNOWELDEN, J., *et al.*
KÖNIG, P. *See* GODFREY, S., and KÖNIG, P.
KRAYENBUHL, C. U. *See* BURR, L. H., KRAYENBUHL, C. U., *et al.*
KUIJPERS, P. *See* SKOTNICKI, S., VONK, J., *et al.*
KUTTY, A. V. P. *See* FUNAHASHI, A., KUTTY, A. V. P., *et al.*

L

LACEY, J. *See* DARKE, C. S., KNOWELDEN, J., *et al*
LACQUET, L. *See* SKOTNICKI, S., VONK, J., *et al.*

LAGO VIGUERA, J., LOPEZ PUJOL, J., DOMINGUEZ REBOIRAS, S., LARRAURI, J., and SCHACKE DE MIGUEL, L.: Fibrous histiocytoma of the lung, 475
LAIDLER, P.: Enlargement of the carotid bodies (P), 480
LAITINEN, L. A. I. *See* EMPEY, D. W., LAITINEN, L. A. I., *et al.*
LAJOS, T. Z. *See* VIDNE, B. A., LEE, A. B., JR., *et al.*
LAKSHMINARAYAN, S. *See* MATTHAY, M. A., MATTHAY, R. A., *et al.*
LANE, D. J. *See* GARRARD, C. S., and LANE, D. J.
—. *See* JOLOBE, O. M. P., PRICHARD, J. S., *et al.*
LARRAURI, J. *See* LAGO VIGUERA, J., LOPEZ PUJOL, J., *et al.*
LAWSON, R. M., RAMANATHAN, L., HURLEY, G., HINSON, K. W., and LENNOX, S. C.: Bronchial adenoma: review of an 18-year experience at the Brompton Hospital, 245
LEACH, E., HOWARD, P., and BARER, G.: A rat model for long-term oxygen therapy (P), 243
LEDBETTER, M. *See* FADALI, M. A., PAPACOSTAS, C. A., *et al.*
LEE, A. B., JR. *See* VIDNE, B. A., LEE, A. B., JR., *et al.*
LEES, W. *See* JACOBSON, M. J., ZAND, L., *et al.*
LEGGE, J. S. *See* JOHNSTON, R. N., MCNEILL, R. S., *et al.*
LEGGETT, R. J. E., COOKE, N. J., CLANCY, L. J., LEITCH, A. G., KIRBY, B. J., and FLENLEY, D. C.: Long-term domiciliary oxygen therapy in cor pulmonale complicating chronic bronchitis and emphysema, 414
—. *See also* LEITCH, A. G., CLANCY, L. J., *et al.*
LEGRAND, M., and PARIENTE, R.: Electron microscopy in the cytological examination of metastatic pleural effusions, 443
Leiomyoma of descending thoracic aorta, resection of, 118
LEITCH, A. G., CLANCY, L. J., LEGGETT, R. J. E., TWEEDDALE, P., DAWSON, P., and EVANS, J. I.: Arterial blood gas tensions, hydrogen ion, and electroencephalogram during sleep in patients with chronic ventilatory failure, 730
—. *See also* LEGGETT, R. J. E., COOKE, N. J., *et al.*
LENNOX, S. C. *See* LAWSON, R. M., RAMANATHAN, L., *et al.*
LE ROUX, B. T. *See* VAN DER HORST, R. L., and LE ROUX, B. T.
Leucocyte migration inhibition test in sarcoidosis, phytohaemagglutinin and transfer factor in, 87
LEVISON, D. A., and SEMPLE, P. D'A.: Primary cardiac Kaposi's sarcoma, 595
LICHTER, I. *See* BLENNERHASSETT, J. B., BORRIE, J., *et al.*
LIEBERMAN, Y. *See* HERTZEANU, H., DEUTSCH, V., *et al.*
Lignocaine, aerosolized, and airway irritation (P), 242
LINSSEN, G. *See* SKOTNICKI, S., VONK, J., *et al.*
Lipid changes during acute attacks of severe bronchial asthma and after therapy (P), 240
Lipids of rat lungs, effect of chlorphentermine, 558
LIPPMANN, M. *See* SCHLESINGER, R. B., and LIPPMANN, M.
Liver, cirrhosis of, and hypoxaemia, 303
Lobar contraction, lower, 'sentinel lines' as sign of, 517
LONGBOTTOM, J. *See* TAYLOR, A. J. N., TAYLOR, P., *et al.*
LOPEZ PUJOL, J. *See* LAGO VIGUERA, J., LOPEZ PUJOL, J., *et al.*
LORIMER, A. R. *See* KAUL, T. K., BAIN, W. H., *et al.*
LOWE, D. *See* DAGGETT, P., JOHNSTON, I. D. A., *et al.*
Lung abscess and fistula formation due to oesophageal moniliasis, 361
and heart in fatal and non-fatal chronic airways obstruction, pathological study of, 70
cancer in women, 254
cancer, localized pulmonary Wegener's granuloma simulating, 4 cases of, 576
cancer, primary, second, 507
cancer, resection for, chest radiographs in controlled trial of busulphan, cyclophosphamide and placebo after, 265
cartilage in children, quantitative assessment from right middle lobe, 40
diffuse infiltration by multifocal bronchial carcinoid 212
disease, unilateral, pre-existing, in bronchial carcinoma, 650
diseases, diagnostic value of serum angiotensin converting enzyme activity in, 552
fragile, in Marfan syndrome, 771
function abnormalities in hay fever, 80
function, regional, effect of prolonged asbestos exposure (P), 239
function, regional, in ankylosing spondylitis, 433
function, regional, in unilateral diaphragmatic paralysis, 438
function superiority of Jamaican children in hill-farming area as compared with urban area (P), 481
function tests in diagnosis and management of airway obstruction between mouth and carina (P), 482
function tests, performance of, relation to alpha-1-antitrypsin phenotype in working population, 149
function tests, 'sensitive', in smokers, prognostic relevance and repeatability of (P), 482
function tests, serial, in asbestosis (P), 491
function, total and regional, pattern in bronchoconstriction induced by 15-me $PGF_{2\alpha}$, 685
granulomatosis of, and necrotizing 'sarcoidal' angiitis, 356
histocytoma of, fibrous, 475
hypoplasia, persistent, after repair of congenital diaphragmatic hernia, 450
infant, semistatic volume-pressure characteristics of, post-mortem studies of, 534
mast cells in hypoxia, influence of disodium cromoglycate, 94
rat, lipids of, effect of chlorphentermine, 558
resection, wedge and segmental, comparison of, 365
slow reacting substance as preformed mediator from (P), 239
trephine biopsy of, in management of cryptogenic fibrosing alveolitis (P), 483
vessels, peripheral, thick-walled, in chronic airways obstruction, quantitation of, 315
See also Lobar; Pulmonary
Lupus pernio, association with sarcoidosis of upper respiratory tract (P), 242; 660
Lymph node tuberculosis presenting as chyluria, 617
Lymphocytes, T and B, in sarcoidosis, clinical correlation of, 665
LYONS, J. P., and CAMPBELL, H.: Evolution of disability in coalworkers' pneumoconiosis, 527

M

MACDONALD, J. B.: *M. tuberculosis* resistance to rifampicin and ethambutol: a clinical survey (P), 484
MCDONALD, J. R. *See* COLE, R. B., NEVIN, N. C., *et al.*
MCHARDY, G. J. R. *See* CAMPBELL, I. A., MIDDLETON, W. G., *et al.*
MCKAY, R., and YACOUB, M. H.: Acute aortic dissection and medial degeneration in patients with 'floppy' mitral valves, 49
MACKENZIE, R. *See* CAMPBELL, I. A., MIDDLETON, W. G., *et al.*
MCKEOWN, J. M.: Psychiatric sequelae of cardiopulmonary bypass (P), 486
MACKINNON, D. M. *See* NEVILLE, E., MILLS, R. G. S., *et al.*
MCLAUGHLIN, H. *See* CUMMISKEY, J. M., MCLAUGHLIN, H., *et al.*

MCLEAN, R. D. W., STEWART, C. J., and WHYTE, D. G. C.: Acute thoracic inlet obstruction in achalasia of the oesophagus, 456
MCNEILL, R. S. *See* JOHNSTON, R. N., MCNEILL, R. S., *et al.*
MAHAFFEY, M. *See* HOWIE, A. D., PACK, A. I., *et al.*
Malignant pleural effusions (P), 485
Mammary artery, internal, free, in coronary bypass grafts, 181
MARCELLETTI, C. *See* ASTOLFI, D., DI CARLO, D., *et al.*
Marfan syndrome, fragile lung in, 771
MARLIN, G. E. *See* HARTNETT, B. J. S., and MARLIN, G. E.
MATTHAY, M. A., MATTHAY, R. A., MILLS, D. M., LAKSHMINARAYAN, S., and COTTON, E.: Hypertrophic osteoarthropathy in adults with cystic fibrosis, 572
—. *See also* MATTHAY, R. A., MATTHAY, M. A., *et al.*
MATTHAY, R. A., MATTHAY, M. A., and WEINBERGER, M. M.: Grand mal seizure induced by oral theophylline, 470
—. *See also* MATTHAY, M. A., MATTHAY, R. A., *et al.*
MATTHEWS, H. R., and WARD, D. W.: Pressure studies following high and low oesophagogastrostomy (P), 240
—. *See also* WARD, D. W., and MATTHEWS, H. R.
—. *See also* WATSON, D. C. T., MATTHEWS, H. R., *et al.*
MAY, A. R. L. *See* POOLE-WILSON, P. A., MAY, A. R. L., *et al.*
MEADE, J. B. *See* WATSON, D. C. T., MATTHEWS, H. R., *et al.*
Mediastinum and hila, cobalt-57-bleomycin scanning of, in bronchial carcinoma, 641
MEDICAL RESEARCH COUNCIL, *etc.*: Biological effects of proteolytic enzyme detergents (*Symposium*), 621
Memory function, changes after open-heart surgery (P), 486
MERRETT, J. D. *See* COLE, R. B., NEVIN, N. C., *et al.*
Mesothelioma, pleural, asbestos content of lungs in (P), 490
  pleural, malignant, diffuse, pleuropneumonectomy in management of, 15
Metaplasia, squamous, of tracheal epithelium in children, 167
15-Methyl prostaglandin $F_{2\alpha}$, bronchoconstriction induced by, pattern of total and regional lung function in, 685
Microvascular blockade, cerebral, transitory, after cardiopulmonary bypass, 736
MIDDLETON, W. G. *See* CAMPBELL, I. A., MIDDLETON, W. G., *et al.*
Miliary tuberculosis after homograft valve replacement, 101
MILLER, G. A. H. *See* SUTTON, M. G. ST. J., MILLER, G. A. H., *et al.*
MILLER, G. J., SAUNDERS, M. J., GILSON, R. J. C., and ASHCROFT, M. T.: Superior lung function of Jamaican children in a hill-farming community as compared with their urban compatriots (P), 481
MILLS, D. M. *See* MATTHAY, M. A., MATTHAY, R. A., *et al.*
MILLS, R. G. S. *See* NEVILLE, E., MILLS, R. G. S., *et al.*
MITHAL, A., and EMERY, J. L.: Squamous metaplasia of the tracheal epithelium in children, 167
Mitral incompetence and ventricular septal defects after non-penetrating chest injury, 113
  myxomatous transformation, symptomatic, in elderly, 765
  stenosis and aortic valve disease, combined, surgical management of (P), 490
  valve reconstruction by posterior cusp advancement using pericardial graft, long-term follow-up in 9 patients, 324
  valve repair, new technique for, early postoperative results of (P), 490
  valve replacement in presence of severe pulmonary hypertension, 332
  valves, 'floppy', acute aortic dissection and medial degeneration in patients with, 49
Monge's disease (P), 481
Moniliasis, oesophageal, causing fistula formation and lung abscess, 361
MONRO, J. L. *See* SBOKOS, C. G., MONRO, J. L., *et al.*
MONTERO, A. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
MORAN, F. *See* HOWIE, A. D., BOYD, G., *et al.*
—. *See* HOWIE, A. D., PACK, A. I., *et al.*
MORGAN, E. J., and HALL, D. R.: Abnormalities of lung function in hay fever, 80
MORISON, W. L.: Phytohaemagglutinin and transfer factor in the leucocyte migration inhibition test in patients with sarcoidosis, 87
MOTAWEH, M. M. *See* ABDULMAJID, O. A., EBEID, A. M., *et al.*
Motor function, oesophageal, changes in diabetes mellitus, 278
Mountain sickness, chronic (P), 481
MUNGALL, I. P. F.: Hypoxia and lung mast cells: influence of disodium cromoglycate, 94
Muscle, respiratory, weakness of, pulmonary mechanics in (P), 243
Myasthenia gravis, respiratory function in, effect of alternate-day prednisone therapy, 410
Mycobacterium tuberculosis resistance to rifampicin and ethambutol, clinical survey of (P), 484
Myocardial infarction, left ventricular aneurysms after, elective operations for, 55
  infarction, postoperative, in relation to aortocoronary graft blood flow and reactive hyperaemia, 172
  pacemakers, implantation in infants and young children, new site for, 346
Myxomatous transformation, mitral, symptomatic, in elderly, 765

N

NADEL, J. A. *See* EMPEY, D. W., LAITINEN, L. A. I., *et al.*
NARUKE, T. *See* YONEYAMA, T., NARUKE, T., *et al.*
NASSAU, E. *See* ANYANWU, C. H., NASSAU, E., *et al.*
NEUFELD, H. N. *See* HERTZEANU, H., DEUTSCH, V., *et al.*
Neurological damage after open-heart surgery (P), 486
NEVILLE, E., MILLS, R. G. S., JASH, D. K., MACKINNON, D. M., and JAMES, D. G.: Sarcoidosis of the upper respiratory tract and its association with lupus pernio (P), 242; 660
NEVIN, N. C. *See* COLE, R. B., NEVIN, N. C., *et al.*
NEWBALL, H. H., and BRAHIM, S. A.: Effects of alternate-day prednisone therapy on respiratory function in myasthenia gravis, 410
NICHOLLS, A. C., and HORSFIELD, K.: Serological diagnosis of tuberculosis: a report of 12 months' clinical experience, 289
NICHOLLS, T. T. *See* SMITH, F. S., GIBSON, P., *et al.*
NIEDERHAUSER, U. *See* JOSE, P., PIPER, P. J., *et al.*
NIGAM, B. K. *See* ABBEY SMITH, R., NIGAM, B. K., *et al.*
Nitrazepam and flurazepam, effect on ventilatory response to carbon dioxide, 548
Nitrogen, radioactive N_2 in demonstration of localized disease in apparently asthmatic children (P), 244
NORTON, R. *See* ALLWORK, S. P., and NORTON, R.
NUNN, A. J. *See* HEFFERNAN, J. F., NUNN, A. J., *et al.*

O

O'CONNELL, J. M., and CAMPBELL, A. H.: Respiratory mechanics in airways obstruction associated with inspiratory dyspnoea, 669

O'CONNOR, S. A. *See* JONES, D. P., O'CONNOR, S. A., *et al.*
Oedema, pulmonary, haemorrhagic, after pulmonary embolectomy, 605
pulmonary, high altitude (P), 481
Oesophageal moniliasis causing fistula formation and lung abscess, 361
motor changes in diabetes mellitus, 278
Oesophagogastrostomy, high and low, pressure studies after (P), 240
manometric assessment of, 656
Oesophagus, achalasia of, acute thoracic inlet obstruction in, 456
canine, selective vagotomy of, as model for treatment of hiatal hernia, 185; (P), 241
length of, measurement of, methods and correlative studies, 284
of hiatal hernia patients and controls, perfusion of bile salts solutions into, effect of, 271
peptic stricture of, high, 1
OGILVIE, B. *See* IHEKWABA, F. N., DAVIDSON, K. G., *et al.*
OLDERSHAW, P. *See* SUTTON, M. G. ST. J., MILLER, G. A. H., *et al.*
OLSEN, E. G. J. *See* ROSS, J. K., and OLSEN, E. G. J.
Open-heart surgery. *See* Heart surgery, open
OSBAKKEN, M. *See* FADALI, M. A., PAPACOSTAS, C. A., *et al.*
Osteoarthropathy, hypertrophic, in adults with cystic fibrosis, 572
pulmonary, hypertrophic, review of, and case with pulmonary metastases from renal carcinoma, 205
OTERO, E. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
Oxygen therapy, domiciliary, long-term, in cor pulmonale complicating chronic bronchitis and emphysema, 414
therapy, long-term, rat model for (P), 243
Oxygenation and circulation of blood, cellular aggregation and destruction during, 405

P

Pacemakers, myocardial, implantation in infants and young children, new site for, 346
PACK, A. I. *See* HOWIE, A. D., PACK, A. I., *et al.*
PALMER, K. N. V. *See* FRIEND, J. A. R., GADDIE, J., *et al.*
PANETH, M. *See* BURR, L. H., KRAYENBUHL, C. U., *et al.*
—. *See* SUTTON, M. G. ST. J., MILLER, G. A. H., *et al.*
PAPACOSTAS, C. A. *See* FADALI, M. A., PAPACOSTAS, C. A., *et al.*
Parainfluenza and influenza virus titres in bird fanciers with acute allergic alveolitis (P), 238
Parathyroid adenoma, intrathoracic, large, 782
PARIENTE, R. *See* LEGRAND, M., and PARIENTE, R.
Parietal pleurolysis in treatment of refractory pneumothorax, 652
Particle deposition in trachea, patterns *in vivo* and in hollow casts, 678
PATERSON, J. W. *See* JOHNSON, A. J., PIDGEON, J., *et al.*
PATTERSON, R. H., JR., ROSENFELD, L., and PORRO, R. S.: Transitory cerebral microvascular blockade after cardiopulmonary bypass, 736
PATTINSON, J. N. *See* HONEY, M., PEARSON, M. C., *et al.*
PATTISON, J. R. *See* COLLINS, J. V., BUCHNER, Y., *et al.*
PATTON, R. M. *See* ARNETT, J. C., JR., and PATTON, R. M.
PEACOCK, M. J., and WHITWELL, F.: Pulmonary blastoma, 197
PEARSON, J. D. *See* STEWART, R. M., RIDYARD, J. B., *et al.*
PEARSON, M. C. *See* HONEY, M., PEARSON, M. C., *et al.*
PEPPER, J. R.: Diagnostic retrieval from thoracoscopy (P), 485
Peptic stricture of oesophagus, high, 1
PEPYS, J. *See* DAVIES, R. J., HOLFORD-STREVENS, V. C., *et al.*
—. *See* FAWCETT, I. W., and PEPYS, J.
—. *See* FRIEND, J. A. R., GADDIE, J., *et al.*
—. *See* TAYLOR, A. J. N., TAYLOR, P., *et al.*
Perfusion, cannulation for, ascending aortic false aneurysm after, 234
Pericardial graft, mitral valve reconstruction by posterior cusp advancement using, long-term follow-up in 9 patients, 324
Pericardiectomy in children, 391
PERIS, J. J. *See* CAFFARENA, J. M., GARCIA SANCHEZ, F., *et al.*
PETHERAM, I. S., and SEAL, R. M. E.: Aspergillus prosthetic valve endocarditis, 380
PETO, J. *See* HEFFERNAN, J. F., NUNN, A. J., *et al.*
Phytohaemagglutinin and transfer factor in leucocyte migration inhibition test in sarcoidosis, 87
PICKERING, C. A. C. *See* FRIEND, J. A. R., GADDIE, J., *et al.*
PIDGEON, J. *See* JOHNSON, A. J., PIDGEON, J., *et al.*
—. *See* TICKNER, T. R., CRAMP, D. G., *et al.*
PIPER, P. J. *See* JOSE, P., PIPER, P. J., *et al.*
Plasma, blood, and urine, histamine levels in severe asthma, and effect of corticosteroid treatment, 724
cells containing immunoglobulin, distribution in normal respiratory tract and class of immunoglobulin contained, 158
Pleural effusions, diagnosis of (P), 485
effusions, diagnostic retrieval from thoracoscopy in (P), 485
effusions, malignant (P), 485
effusions, metastatic, electron microscopy in cytological examination of, 443
mesothelioma, asbestos content of lungs in (P), 490
mesothelioma, malignant, diffuse, pleuropneumonectomy in management of, 15
Pleurolysis, parietal, in treatment of refractory pneumothorax, 652
Pleuropneumonectomy in management of diffuse malignant mesothelioma of pleura, 15
Pneumoconiosis, barium. *See* Baritosis
of coal miners, evolution of disability in, 527
Pneumonitis, hypersensitivity, after exposure to isocyanates, 127
Pneumopericardium, spontaneous, 460
Pneumothorax, refractory, treatment by parietal pleurolysis, 652
spontaneous, sharp rib syndrome in, 369
POOLE-WILSON, P. A., MAY, A. R. L., and TAUBE, D.: Paradoxical embolism complicating massive pulmonary embolus, 354
PORRO, R. S. *See* PATTERSON, R. H., JR., ROSENFELD, L., *et al.*
Potassium, whole-body, in chronic airway obstruction (P), 484
whole-body, in cor pulmonale, 708
Potts' aortopulmonary shunt for palliation of cyanotic heart disease, evaluation of, 394
PRATER, S. L. *See* FUNAHASHI, A., KUTTY, A. V. P., *et al.*
Precipitins, bacterial, and immunoglobulin class in atopic and non-atopic asthma and chronic bronchitis, 419
Prednisone therapy on alternate days, effect on respiratory function in myasthenia gravis, 410
PRESTON, B. J. *See* STEWART, I. M., HOSKING, D. J., *et al.*
PRICE EVANS, D. A.: Immunology of bronchial carcinoma, 493
PRICHARD, J. S. *See* JOLOBE, O. M. P., PRICHARD, J. S., *et al.*
PRIDE, N. B. *See* BENSON, M. K., FLETCHER, C. M., *et al.*
—. *See* GIBSON, G. J., PRIDE, N. B., *et al.*
PRIOR, A. L. *See* KENNEDY, A., and PRIOR, A. L.

Prostaglandin $F_{2\alpha}$, degradation in pulmonary circulation, 713
Prosthetic valve endocarditis due to *Aspergillus fumigatus*, 380
Protamine sulphate, cardiovascular depressant effect of, experimental study and clinical implications of, 320
Proteolytic enzyme detergents, biological effects of, 621
PROVENZALE, L. *See* GULA, G., CANCRINI, A., *et al.*
Psychiatric sequelae of cardiopulmonary bypass (P), 486
Pulmonary argyrophil cells at high altitudes (P), 480
artery pressure in severe thoracic deformity (P), 242
blastoma, 197
blastoma, 2 cases and review of literature, 776
circulation, prostaglandin $F_{2\alpha}$ degradation in, 713
cryptococcosis, localized lesions of, resection for, 121
embolus, massive, complicated by paradoxical embolism, 354
haemorrhage induced by decompression, influence of long-term intermittent exposures to hypoxia, 91
hypersensitivity to Ramin, 585
hypertension at high altitudes (P), 480
hypertension, severe, mitral valve replacement in presence of, 332
mechanics in respiratory muscle weakness (P), 243
necrobiotic rheumatoid nodules without rheumatoid arthritis (P), 492
oedema, haemorrhagic, after pulmonary embolectomy, 605
oedema, high altitude (P), 481
osteoarthropathy, hypertrophic, review of, and case with pulmonary metastases from renal carcinoma, 205
strongyloidiasis, opportunistic, complicating asthma treated with steroids, 226
tuberculosis, treatment of, study of methods and results in Scotland (P), 241
varix, 107
venous abnormality with associated pulmonary arterial anomaly and arteriovenous malformation, unique case of, 190
Wegener's granuloma, localized, simulating lung cancer, 4 cases of, 576
See also Lung

R

RADFORD, D. J. *See* SMITH, R. H., RADFORD, D. J., *et al.*
RAMANATHAN, L. *See* LAWSON, R. M., RAMANATHAN, L., *et al.*
Ramin, pulmonary hypersensitivity to, 585
RASARETNAM, R., CHANMUGAM, D., and SIVATHASAN, C.: Spontaneous haemothorax in a mild haemophiliac, 601
RASKER, J. J., BEEKHUIS, H., WAL, A. M. VAN DE, HOMAN VAN DER HEIDE, J. N., and WOLDRING, M. G.: Cobalt-57-bleomycin scanning of hila and mediastinum in patients with bronchial carcinoma: a prospective study, 641
REID, L. *See* HISLOP, A., and REID, L.
Renal carcinoma, pulmonary metastases from, in hypertrophic pulmonary osteoarthropathy, 205
Respiratory disease in workers harvesting grain, 294
function in myasthenia gravis, effect of alternate-day prednisone therapy, 410
function. *See also* Lung function
illness, prevalence of, relation to alpha-1-antitrypsin phenotype in working population, 149
mechanics in airways obstruction associated with inspiratory dyspnoea, 669
muscle weakness, pulmonary mechanics in (P), 243
tract, normal, distribution of plasma and other cells containing immunoglobulin in, and class of immunoglobulin contained, 158
tract, upper, sarcoidosis of, and lupus pernio (P), 242; 660
tract, virus infections of, bronchial hyperreactivity after (P), 487
Rheumatoid nodules, necrobiotic, pulmonary, without rheumatoid arthritis (P), 492
Rib sharpness syndrome in spontaneous pneumothorax, 369
RICHARDSON, J. P. *See* DANIEL, F. J., CLARKE, C. P., *et al.*
RIDYARD, J. B., and STEWART, R. M.: Regional lung function in unilateral diaphragmatic paralysis, 438
—. *See also* STEWART, R. M., RIDYARD, J. B., *et al.*
Rifampicin, *M. tuberculosis* resistance to, clinical survey of (P), 484
ROBERTSON, P. W. *See* GOSSARD, A. A. R., ROBERTSON, P. W., *et al.*
ROBINSON, C. *See* JOSE, P., PIPER, P. J., *et al.*
ROSENFELD, L. *See* PATTERSON, R. H., JR., ROSENFELD, L., *et al.*
ROSS, J. K., and OLSEN, E. G. J.: Mitral valve reconstruction by posterior cusp advancement using a pericardial graft: long-term follow-up in nine patients, 324
—. *See also* SBOKOS, C. G., MONRO, J. L., *et al.*
ROY, D. C. *See* STOTT, H., STEPHENS, R., *et al.*
RUDOLF, M. *See* GEDDES, D. M., RUDOLF, M., *et al.*

S

SALAMA, F. D.: A suggested site for the implantation of myocardial pacemakers in infants and young children, 346
Salbutamol in treatment of acute asthma attacks, comparison with aminophylline (P), 239
SANDERSON, J. M. *See* WRIGHT, G., and SANDERSON, J. M.
'Sarcoidal' angiitis, necrotizing, and granulomatosis of lung, 356
Sarcoidosis of upper respiratory tract and lupus pernio (P), 242; 660
—, phytohaemagglutinin and transfer factor in leucocyte migration inhibition test in, 87
—, T and B lymphocytes in, clinical correlation of, 665
Sarcoma, Kaposi's, cardiac, primary, 595
SAUNDERS, K. B. *See* GEDDES, D. M., RUDOLF, M., *et al.*
SAUNDERS, M. J. *See* MILLER, G. J., SAUNDERS, M. J., *et al.*
SAYLAM, A. *See* AYTAÇ, A., and SAYLAM, A.
SBOKOS, C. G., MONRO, J. L., and ROSS, J. K.: Elective operations for post-infarction left ventricular aneurysms, 55
SCHACKE DE MIGUEL, L. *See* LAGO VIGUERA, J., LOPEZ PUJOL, J., *et al.*
SCHIMERT, G. *See* VIDNE, B. A., LEE, A. B., JR., *et al.*
SCHLESINGER, R. B., and LIPPMANN, M.: Particle deposition in the trachea: *in vivo* and in hollow casts, 678
Scotland, South-East Region of, survey of infective endocarditis in (1969–72), 373
SCOTT, K. W. M.: A clinicopathological study of fatal chronic airways obstruction, 693
—: A pathological study of the lungs and heart in fatal and non-fatal chronic airways obstruction, 70
—: Quantitation of thick-walled peripheral lung vessels in chronic airways obstruction, 315
SEAL, R. M. E. *See* CHARLES, J., BERNSTEIN, A., *et al.*
—. *See* PETHERAM, I. S., and SEAL, R. M. E.
SEATON, A. *See* BRUCE, C., WEATHERSTONE, R., *et al.*
—. *See* CHARLES, J., BERNSTEIN, A., *et al.*

SEATON, D.: Patterns of ventilation distribution in health and disease measured by a standardised xenon washout technique (P), 491
SECHER, N. J. *See* ANDERSEN, L. H., and SECHER, N. J.
SEHHAT, S., HAZEGHI, K., BAJOGHLI, M., and TOURI, S.: Oesophageal moniliasis causing fistula formation and lung abscess, 361
SEMPLE, P. D'A. *See* LEVISON, D. A., and SEMPLE, P. D'A.
'Sentinel lines' as sign of lower lobe contraction, 517
Serum and sputum antibody in chronic airways obstruction, 702
and sputum, doxycycline levels in chronic bronchitis, 144
angiotensin converting enzyme activity, diagnostic value in lung diseases, 552
samples, single, diagnosis of recent viral infection from (P), 241
SHNEERSON, J. *See* TAYLOR, A. J. N., SOUTAR, C., *et al.*
SHNEERSON, J. M.: Pulmonary artery pressure in severe thoracic deformity (P), 242
SHOTTER, M. V. *See* CAMPBELL, I. A., MIDDLETON, W. G., *et al.*
Silicone rubber aortic valve poppets, scanning electron microscope study of surface ultrastructure after long-term implantation, 742
SIMON, G. *See* STOTT, H., STEPHENS, R., *et al.*
SIMPSON, J. A. *See* SMITH, F. S., GIBSON, P., *et al.*
SINCLAIR-SMITH, C. C., EMERY, J. L., GADSDON, D., DINSDALE, F., and BADDELEY, J.: Cartilage in children's lungs: a quantitative assessment using the right middle lobe, 40
SIVATHASAN, C. *See* RASARETNAM, R., CHANMUGAM, D., *et al.*
SKINNER, C., and EWEN, S. W. B.: Carcinoid lung: diffuse pulmonary infiltration by a multifocal bronchial carcinoid, 212
SKOTNICKI, S., VONK, J., SLEEGERS, T., DERCKSEN, S., LINSSEN, G., LACQUET, L., and KUIJPERS, P.: Aorto-coronary graft flow and reactive hyperaemia in relation to postoperative myocardial infarction, 172
SLEEGERS, T. *See* SKOTNICKI, S., VONK, J., *et al.*
Sleep, arterial blood gas tensions, hydrogen ion, and electroencephalogram during, in chronic ventilatory failure, 730
Slow reacting substance as preformed mediator from lung (P), 239
SMITH, A. P. *See* JOSE, P., PIPER, P. J., *et al.*
SMITH, D. H. *See* JOHNSTON, R. N., MCNEILL, R. S., *et al.*
SMITH, F. S., GIBSON, P., NICHOLLS, T. T., and SIMPSON, J. A.: Pulmonary resection for localized lesions of cryptococcosis (torulosis): a review of eight cases, 121
SMITH, P. H.: High altitude pulmonary oedema (P), 481
SMITH, R. H., RADFORD, D. J., CLARK, R. A., and JULIAN, D. G.: Infective endocarditis: a survey of cases in the South-East Region of Scotland, 1969–72, 373
Smoking and prognostic relevance and repeatability of 'sensitive' tests of lung function (P), 482
SOUTAR, C. *See* TAYLOR, A. J. N., SOUTAR, C., *et al.*
SOUTAR, C. A.: Distribution of plasma cells and other cells containing immunoglobulin in the respiratory tract of normal man and class of immunoglobulin contained therein, 158
SOWTON, E. *See* DAY, L. J., VALLIN, H. O., *et al.*
Sphincter pressure studies after high and low oesophago-gastrostomy (P), 240
SPIRO, S. G. *See* JOHNSON, A. J., PIDGEON, J., *et al.*
—. *See* TICKNER, T. R., CRAMP, D. G., *et al.*
Spondylitis, ankylosing, regional lung function in, 433
Sputum and serum antibody in chronic airways obstruction, 702
and serum, doxycycline levels in chronic bronchitis, 144
Squamous metaplasia of tracheal epithelium in children' 167
STABLEFORTH, D. E.: Role of transbronchial biopsy (P), 483
STANLEY, N. N.: Effect of prolonged asbestos exposure on regional lung function (P), 239
—. *See also* TURNER, J. A. MCM., and STANLEY, N. N.
Status asthmaticus and death from asthma (P), 240
STEEL, S. J. *See* WRIGHT, P. H., STEEL, S. J., *et al.*
STEPHEN, J. G., BRAIMBRIDGE, M. V., CORRIN, B., WILKINSON, S. P., DAY, D., and WHIMSTER, W. F.: Necrotizing 'sarcoidal' angiitis and granulomatosis of the lung, 356
STEPHENS, R. *See* STOTT, H., STEPHENS, R., *et al.*
STEPHENSON, S. F.: Spontaneous pneumothorax: the sharp rib syndrome, 369
—. *See also* GOSSARD, A. A. R., ROBERTSON, P. W., *et al.*
Sternum, cleft, total, congenital, with partial ectopia cordis, surgical repair of, 466
resection and reconstruction, case of, 350
Steroids, oral and inhaled, response in chronic airways obstruction to (P), 482
STEWART, C. J. *See* MCLEAN, R. D. W., STEWART, C. J., *et al.*
STEWART, I. M., HOSKING, D. J., PRESTON, B. J., and ATKINSON, M.: Oesophageal motor changes in diabetes mellitus, 278
STEWART, R. M., RIDYARD, J. B., and PEARSON, J. D.: Regional lung function in ankylosing spondylitis, 433
—. *See also* RIDYARD, J. B., and STEWART, R. M.
STOTT, H., STEPHENS, R., FOX, W., SIMON, G., and ROY, D. C.: An investigation of the chest radiographs in a controlled trial of busulphan, cyclophosphamide, and a placebo after resection for carcinoma of the lung, 265
STRICKLAND, B.: 'Sentinel lines'—an unusual sign of lower lobe contraction, 517
Strongyloidiasis, pulmonary, opportunistic, complicating asthma treated with steroids, 226
STURRIDGE, M. F. *See* COOPER, D. K. C., and STURRIDGE, M. F.
SUBRAMANIAN, S. *See* CHIARIELLO, L., VLAD, P., *et al.*
—. *See* VIDNE, B. A., and SUBRAMANIAN, S.
SUEMASU, K. *See* YONEYAMA, T., NARUKE, T., *et al.*
SURI, D. K. *See* FREEDMAN, S., SURI, D. K., *et al.*
SUTTON, M. G. ST. J., MILLER, G. A. H., OLDERSHAW, P., and PANETH, M.: Valve replacement with Björk-Shiley valve: experience of 390 patients (P), 490
—. *See also* BURR, L. H., KRAYENBUHL, C. U., *et al.*
—. *See also* TRAILL, T. A., SUTTON, M. G. ST. J., *et al.*

T

TATTERSALL, S. F. *See* BENSON, M. K., FLETCHER, C. M., *et al.*
TATTERSFIELD, A. E. *See* HOLGATE, S. T., and TATTERSFIELD, A. E.
TAUBE, D. *See* POOLE-WILSON, P. A., MAY, A. R. L., *et al.*
TAYLOR, A. J. *See* BLENNERHASSETT, J. B., BORRIE, J., *et al.*
TAYLOR, A. J. N., SOUTAR, C., SHNEERSON, J., and TURNER-WARWICK, M.: Bromocriptine in the treatment of intractable asthma (P), 488
—, TAYLOR, P., BRYANT, D., LONGBOTTOM, J., and PEPYS, J.: Influenza and parainfluenza virus titres in bird fanciers with acute allergic alveolitis (P), 238
TAYLOR, K. M. *See* KAUL, T. K., BAIN, W. H., *et al.*
TAYLOR, P. *See* TAYLOR, A. J. N., TAYLOR, P., *et al.*
TAYLOR, W.: Pulmonary argyrophil cells (P), 480
TAYLOR, W. H. *See* BRUCE, C., WEATHERSTONE, R., *et al.*
TEMPLE, L. J. *See* WRIGHT, J. T. M., and TEMPLE, L. J.
Δ^1-Tetrahydrocannabinol administered by aerosol in asthma, bronchodilator effect of, 720

Theophylline, oral, grand mal seizure induced by, 470
THOMPSON, J. M. *See* ABBEY SMITH, R., NIGAM, B. K., *et al.*
THOMSON, R. M. *See* KAUL, T. K., BAIN, W. H., *et al.*
Thoracic and other injuries, bacterial infections complicating, timing of antibiotic therapy in (P), 484
aorta, descending, leiomyoma of, resection of, 118
deformity, severe, pulmonary artery pressure in (P), 242
inlet obstruction, acute, in achalasia of oesophagus, 456
Thoracic Society: Spring Meeting, 238
Society: Summer Meeting, 480
Thoracoscopy, diagnostic retrieval from (P), 485
TICKNER, T. R., CRAMP, D. G., WILLS, M. R., PIDGEON, J., BATEMAN, S., JOHNSON, A. J., SPIRO, S. G., and CLARKE, S. W.: Lipid changes during acute attacks of severe bronchial asthma and following therapy (P), 240
Torulosis. *See* Cryptococcosis
TOURI, S. *See* SEHHAT, S., HAZEGHI, K., *et al.*
Trachea, epithelium, squamous metaplasia of, in children, 167
particle deposition in, patterns *in vivo* and in hollow casts, 678
Tracheobronchial tree, aspirated foreign bodies in, 250 cases of, 635
TRAILL, T. A., SUTTON, M. G. ST. J., VENCO, A., and GIBSON, R. V.: Small left atrial 'tumours'—echocardiographic findings (P), 489
Transbronchial biopsy, role of (P), 483
Transfer factor and phytohaemagglutinin in leucocyte migration inhibition test in sarcoidosis, 87
Tuberculosis, lymph node, presenting as chyluria, 617
miliary, after homograft valve replacement, 101
pulmonary, treatment of, study of methods and results in Scotland (P), 241
serological diagnosis of, 12 months' clinical experience, 289
Tumours, atrial, left, small, echocardiographic findings in (P), 489
TURNBULL, L. S. *See* KAY, A. B., JONES, D. G., *et al.*
TURNER, J. A. MCM., and STANLEY, N. N.: Fragile lung in the Marfan syndrome, 771
TURNER, M. A. *See* KAUL, T. K., BAIN, W. H., *et al.*
TURNER-WARWICK, M. *See* TAYLOR, A. J. N., SOUTAR, C., *et al.*
TWEEDDALE, P. *See* LEITCH, A. G., CLANCY, L. J., *et al.*

U

Urine, plasma, and blood, histamine levels in severe asthma, and effect of corticosteroid treatment, 724

V

VACCARI, M. *See* BRANCHINI, B., ZINGONE, B., *et al.*
Vagotomy, selective, of canine oesophagus as model for treatment of hiatal hernia, 185; (P), 241
VALLIN, H. O. *See* DAY, L. J., VALLIN, H. O., *et al.*
Valve replacement, Björk-Shiley, experience with 390 patients (P), 490
replacement, homograft, miliary tuberculosis after, 101
Valves, prosthetic, *Aspergillus fumigatus* endocarditis with, 380
Valvular aortic stenosis, congenital, surgical treatment of, 398
VAN DER HORST, R. L., and LE ROUX, B. T.: Pericardiectomy in children, 391
Varix, pulmonary, 107
VENCO, A. *See* TRAILL, T. A., SUTTON, M. G. ST. J., *et al.*
Ventilation, dead space, in normal children and children with obstructive airways disease, 63
distribution patterns in health and disease measured by xenon washout technique (P), 491
Ventilatory failure, chronic, arterial blood gas tensions, hydrogen ion, and electroencephalogram during sleep in, 730
response to carbon dioxide, effect of nitrazepam and flurazepam, 548
Ventricle, right, double-outlet, with L-position of aorta, D-loop, subaortic VSD, and pulmonary stenosis, 588
Ventricular aneurysms, left, of unusual aetiology, 2 cases of, 220
aneurysms, left, post-infarction, elective operations for, 55
heart, primitive, septation of, cardiorespiratory state after (P), 489
septal defects and mitral incompetence after non-penetrating chest injury, 113
VIDNE, B. A., LEE, A. B., JR., LAJOS, T. Z., and SCHIMERT, G.: Free internal mammary artery for coronary bypass, 181
—, and SUBRAMANIAN, S.: Complete correction of transposition of the great arteries with left juxtaposition of the atrial appendages, 178
Viral infection, recent, diagnosis from single serum samples (P), 241
Virus infections of respiratory tract, bronchial hyperreactivity after (P), 487
VLAD, P. *See* CHIARIELLO, L., VLAD, P., *et al.*
VOLETTI, C. *See* GARVEY, J. W., WISOFF, G., *et al.*
VONK, J. *See* SKOTNICKI, S., VONK, J., *et al.*

W

WAL, A. M. VAN DE. *See* RASKER, J. J., BEEKHUIS, H., *et al.*
WALBAUM, P. R. *See* GOLDSTRAW, P., and WALBAUM, P. R.
WARD, A. M. *See* DARKE, C. S., KNOWELDEN, J., *et al.*
WARD, D. W., and MATTHEWS, H. R.: A manometric assessment of oesophagogastrostomy, 656
—. *See also* MATTHEWS, H. R., and WARD, D. W.
Water, contaminated, from factory machine producing extrinsic allergic alveolitis (P), 238
WATSON, B. W. *See* JONES, D. P., O'CONNOR, S. A., *et al.*
WATSON, D. C. T., MATTHEWS, H. R., and MEADE, J. B.: Surgical management of combined mitral stenosis and aortic valve disease (P), 490
WEATHERSTONE, R. *See* BRUCE, C., WEATHERSTONE, R., *et al.*
Wegener's granuloma, pulmonary, localized, simulating lung cancer, 4 cases of, 576
WEINBERGER, M. M. *See* MATTHAY, R. A., MATTHAY, M. A., *et al.*
WELLS, I. D. *See* DAVIES, R. J., HOLFORD-STREVENS, V. C., *et al.*
WESTLAKE G. W. *See* DANIEL, F. J., CLARKE, C. P., *et al.*
WHEELDON, D. R., BETHUNE, D. W., GILL, R. D., and ENGLISH, T. A. H.: A simple cooling circuit for topical cardiac hypothermia, 565
WHIMSTER, W. F. *See* STEPHEN, J. G., BRAIMBRIDGE, M. V., *et al.*
WHITE, D. J. *See* ATHERTON, S. T., WRIGHT, D. M., *et al.*
WHITE, R. J. *See* WILSON, R. S. E., and WHITE, R. J.
WHITWELL, F.: Asbestos content of pleural mesothelioma lungs and of the lungs of Merseyside residents (P), 490
—. *See also* PEACOCK, M. J., and WHITWELL, F.
WHYTE, D. G. C. *See* MCLEAN, R. D. W., STEWART, C. J., *et al.*
WILKINSON, J. L. *See* JONES, R. S., WILKINSON, J. L., *et al.*
WILKINSON, S. P. *See* STEPHEN, J. G., BRAIMBRIDGE, M. V., *et al.*

WILLIAMS, D. R. *See* HEATH, D. A., and WILLIAMS, D. R.
WILLIAMS, S. J., HARTLEY, J. P. R., and GRAHAM, J. D. P.: Bronchodilator effect of Δ'-tetrahydrocannabinol administered by aerosol to asthmatic patients, 720
WILLS, M. R. *See* TICKNER, T. R., CRAMP, D. G., *et al.*
WILSON, R. S. E., and WHITE, R. J.: Lymph node tuberculosis presenting as chyluria, 617
WINLOVE, P. *See* GODFREY, S., HAMILTON, G., *et al.*
WISOFF, G. *See* GARVEY, J. W., WISOFF, G., *et al.*
WOLDRING, M. G. *See* RASKER, J. J., BEEKHUIS, H., *et al.*
WRIGHT, D. M. *See* ATHERTON, S. T., WRIGHT, D. M., *et al.*
WRIGHT, G., and SANDERSON, J. M.: Cellular aggregation and destruction during blood circulation and oxygenation, 405
WRIGHT, J. T. M., and TEMPLE, L. J.: An *in-vitro* comparison of the hydraulic characteristics of the Hancock and Björk-Shiley aortic valve replacements (P), 489
WRIGHT, P. H., STEEL, S. J., and HEARD, B. E.: Trephine biopsy of the lung in the management of cryptogenic fibrosing alveolitis (P), 483

X

Xenon washout technique, ventilation distribution patterns in health and disease measured by (P), 491

Y

YACOUB, M. H. *See* ANYANWU, C. H., NASSAU, E., *et al.*
—. *See* MCKAY, R., and YACOUB, M. H.
YAHINI, J. H. *See* HERTZEANU, H., DEUTSCH, V., *et al.*
YONEYAMA, T., NARUKE, T., SUEMASU, K., and ISHIKAWA, S.: Bronchial carcinoma in patients with pre-existing unilateral lung disease, 650

Z

ZAND, L. *See* JACOBSON, M. J., ZAND, L., *et al.*
ZINGONE, B. *See* BRANCHINI, B., ZINGONE, B., *et al.*

THORAX

EDITED FOR

THE THORACIC SOCIETY

(*President*, J. W. CROFTON)

BY

COLIN OGILVIE and BENJAMIN B. MILSTEIN

ASSISTANT EDITORS

(*Medical*) C. P. Aber, A. Seaton (*Surgical*) D. B. Clarke

EDITORIAL COMMITTEE

R. Abbey Smith
J. M. Bishop
M. S. Dunnill
P. C. Elmes
D. I. Hamilton
I. M. Hill
D. G. Julian
G. J. R. McHardy
R. Marshall
D. C. F. Muir
O. S. Tubbs
Margaret Turner-Warwick

A. Young (*Statistical Adviser*)
M. J. Allwood (co-opted)
Editor, *British Medical Journal*

TECHNICAL EDITOR Beryl Flitton

VOLUME 31, 1976

BRITISH MEDICAL ASSOCIATION, TAVISTOCK SQUARE, LONDON, WC1H 9JR

CONTENTS

No. 1. *FEBRUARY*, 1976 PAGE

High peptic stricture of the oesophagus. J. S. Davidson 1
Pleuropneumonectomy in the management of diffuse malignant mesothelioma of the pleura. E. G. Butchart, T. Ashcroft, W. C. Barnsley, and M. P. Holden 15
Chronic bronchitis: measurements and observations over 10 years. R. N. Johnston, R. S. McNeill, D. H. Smith, J. S. Legge, and F. Fletcher 25
Baritosis: a benign pneumoconiosis. A. T. Doig 30
Cartilage in children's lungs: a quantitative assessment using the right middle lobe. C. C. Sinclair-Smith, J. L. Emery, D. Gadsdon, F. Dinsdale, and J. Baddeley 40
Conservative surgery for bronchial adenomata. D. K. C. Cooper and J. R. Belcher 44
Acute aortic dissection and medial degeneration in patients with 'floppy' mitral valves. Roxane McKay and M. H. Yacoub 49
Elective operations for post-infarction left ventricular aneurysms. C. G. Sbokos, J. L. Monro, and J. K. Ross 55
Dead space ventilation in normal children and children with obstructive airways disease. A. A. Kerr 63
A pathological study of the lungs and heart in fatal and non-fatal chronic airways obstruction. K. W. M. Scott 70
Abnormalities of lung function in hay fever. E. J. Morgan and D. R. Hall 80
Phytohaemagglutinin and transfer factor in the leucocyte migration inhibition test in patients with sarcoidosis. W. L. Morison 87
Influence of long-term intermittent exposures to hypoxia on decompression-induced pulmonary haemorrhage. H. S. Fang and C. F. Chen 91
Hypoxia and lung mast cells: influence of disodium cromoglycate. I. P. F. Mungall 94
Miliary tuberculosis following homograft valve replacement. C. H. Anyanwu, E. Nassau, and M. Yacoub 101
Pulmonary varix. J. C. Arnett, Jr and R. M. Patton 107
Mitral incompetence and ventricular septal defects following non-penetrating injury. C. H. Anyanwu 113
Resection of a leiomyoma of the descending thoracic aorta. G. Gula, A. Cancrini, and L. Provenzale ... 118

No. 2. *APRIL*, 1976

Pulmonary resection for localized lesions of cryptococcosis (torulosis): a review of eight cases. F. S. Smith P. Gibson, T. T. Nicholls, and J. A. Simpson 121
Hypersensitivity pneumonitis after exposure to isocyanates. J. Charles, A. Bernstein, B. Jones, D. J. Jones, J. H. Edwards, R. M. E. Seal, and A. Seaton 127
Inhibition of exercise-induced asthma by different pharmacological pathways. S. Godfrey and P. König ... 137
Doxycycline in serum and bronchial secretions. B. J. S. Hartnett and G. E. Marlin 144
Relation of alpha-l-antitrypsin phenotype to the performance of pulmonary function tests and to the prevalence of respiratory illness in a working population. R. B. Cole, N. C. Nevin, G. Blundell, J. D. Merrett, J. R. McDonald, and W. P. Johnston 149
Distribution of plasma cells and other cells containing immunoglobulin in the respiratory tract of normal man and class of immunoglobulin contained therein. C. A. Soutar 158
Squamous metaplasia of the tracheal epithelium in children. A Mithal and J. L. Emery 167
Aortocoronary graft flow and reactive hyperaemia in relation to postoperative myocardial infarction. S. Skotnicki, J. Vonk, Th. Sleegers, S. Dercksen, G. Linssen, L. Lacquet, and P. Kuijpers 172
Complete correction of transposition of the great arteries with left juxtaposition of the atrial appendages. B. A. Vidne and S. Subramanian 178
Free internal mammary artery for coronary bypass. B. A. Vidne, A. B. Lee, Jr, T. Z. Lajos, and G. Schimert 181
Selective vagotomy of the canine oesophagus—a model for the treatment of hiatal hernia. M. H. Edwards 185
A unique pulmonary venous abnormality: with associated pulmonary arterial anomaly and arteriovenous malformation. M. Honey, M. C. Pearson, and J. N. Pattinson 190
Pulmonary blastoma. M. J. Peacock and F. Whitwell 197
Hypertrophic pulmonary osteoarthropathy and its occurrence with pulmonary metastases from renal carcinoma. P. Goldstraw and P. R. Walbaum 205
Carcinoid lung: diffuse pulmonary infiltration by a multifocal bronchial carcinoid. C. Skinner and S. W. B. Ewen 212
Left ventricular aneurysm of unusual aetiology: report of two cases. H. Hertzeanu, V. Deutsch, J. H. Yahini, Y. Lieberman, and H. N. Neufeld 220
Opportunistic pulmonary strongyloidiasis complicating asthma treated with steroids. T. W. Higenbottam and B. E. Heard 226
Ascending aortic false aneurysm following cannulation for perfusion. B. Branchini, B. Zingone, and M. Vaccari 234
Surgical editor 237
Proceedings of The Thoracic Society 238

CONTENTS

No. 3. *JUNE*, 1976 PAGE

Bronchial adenoma: review of an 18-year experience at the Brompton Hospital. R. M. Lawson, L. Ramanathan, G. Hurley, K. W. Hinson, and S. C. Lennox 245
Cancer of the lung in women. H. R. S. Harley 254
An investigation of the chest radiographs in a controlled trial of busulphan, cyclophosphamide, and a placebo after resection for carcinoma of the lung. H. Stott, R. Stephens, W. Fox, G. Simon, and D. C. Roy 265
Effect of perfusion of bile salts solutions into the oesophagus of hiatal hernia patients and controls. G. S. Bachir and J. Leigh Collis 271
Oesophageal motor changes in diabetes mellitus. I. M. Stewart, D. J. Hosking, B. J. Preston, and M. Atkinson 278
Observations on oesophageal length. G. J. Kalloor, A. H. Deshpande, and J. Leigh Collis 284
Serological diagnosis of tuberculosis: a report of 12 months' clinical experience. A. C. Nicholls and K. Horsfield 289
Respiratory disease of workers harvesting grain. C. S. Darke, J. Knowelden, J. Lacey, and A. Milford Ward 294
Hypoxaemia and cirrhosis of the liver. A Funahashi, A. V. P. Kutty, and Sandra L. Prater 303
Long-term beclomethasone dipropionate aerosol therapy in juvenile asthma. R. S. Francis 309
Quantitation of thick-walled peripheral lung vessels in chronic airways obstruction. K. W. M. Scott 315
Cardiovascular depressant effect of protamine sulphate: experimental study and clinical implications. M. A. Fadali, C. A. Papacostas, J. J. Duke, M. Ledbetter, and Mary Osbakken 320
Mitral valve reconstruction by posterior cusp advancement using a pericardial graft. J. Keith Ross and E. G. J. Olsen 324
Mitral valve replacement in the presence of severe pulmonary hypertension. T. K. Kaul, W. H. Bain, J. V. Jones, A. R. Lorimer, R. M. Thomson, M. A. Turner, and A. Escarous 332
Anomalous origin of the left coronary artery from the pulmonary artery with coronary artery steal in adults. F. N. Ihekwaba, K. G. Davidson, B. Ogilvie, and P. K. Caves 337
A suggested site for the implantation of myocardial pacemakers in infants and young children. F. D. Salama 346
Resection and reconstruction of the sternum: case report. V. Beltrami and G. Gidaro 350
Paradoxical embolism complicating massive pulmonary embolus. P. A. Poole-Wilson, A. R. L. May, and D. Taube 354
Necrotizing 'sarcoidal' angiitis and granulomatosis of the lung. J. G. Stephen, M. V. Braimbridge, B. Corrin, S. P. Wilkinson, D. Day, and W. F. Whimster 356
Oesophageal moniliasis causing fistula formation and lung abscess. S. Sehhat, K. Hazeghi, M. Bajoghli, and S. Touri 361

No. 4. *AUGUST*, 1976

A comparison of wedge and segmental resection of the lung. M. J. Jacobson, L. Zand, R. T. Fox, and W. Lees 365
Spontaneous pneumothorax: the sharp rib syndrome. S. F. Stephenson 369
Infective endocarditis: a survey of cases in the South-East Region of Scotland, 1969–72. R. H. Smith, Dorothy J. Radford, R. A. Clark, and D. G. Julian 373
Aspergillus prosthetic valve endocarditis. I. S. Petheram and R. M. E. Seal 380
Pericardiectomy in children. R. L. Van der Horst and B. T. Le Roux 391
An evaluation of Potts' aortopulmonary shunt for palliation of cyanotic heart disease. F. J. Daniel, C. P. Clarke, J. P. Richardson, G. W. Westlake, and P. G. Jones 394
Surgical treatment of congenital valvular aortic stenosis. L. Chiariello, P. Vlad, and S. Subramanian ... 398
Cellular aggregation and destruction during blood circulation and oxygenation. G. Wright and J. M. Sanderson 405
Effects of alternate-day prednisone therapy on respiratory function in myasthenia gravis. H. H. Newball and S. A. Brahim 410
Long-term domiciliary oxygen therapy in cor pulmonale complicating chronic bronchitis and emphysema. R. J. Leggett, N. J. Cooke, L. Clancy, A. G. Leitch, B. J. Kirby, and D. C. Flenley 414
Bacterial precipitins and their immunoglobulin class in atopic asthma, non-atopic asthma, and chronic bronchitis. R. J. Davies, V. C. Holford-Strevens, I. D. Wells, and J. Pepys 419
Complement components and IgE in patients with asthma and aspirin idiosyncrasy. J. C. Delaney and A. B. Kay 425
Effect of long-term ionized air treatment on patients with bronchial asthma. D. P. Jones, S. A. O'Connor, J. V. Collins, and B. W. Watson 428
Regional lung function in ankylosing spondylitis. R. M. Stewart, J. B. Ridyard, and J. D. Pearson 433
Regional lung function in unilateral diaphragmatic paralysis. J. B. Ridyard and R. M. Stewart 438
Electron microscopy in the cytological examination of metastatic pleural effusions. M. Legrand and R. Pariente 443

CONTENTS

No. 4. *AUGUST*, 1976 *continued*

PAGE

Persistent hypoplasia of the lung after repair of congenital diaphragmatic hernia. ALISON HISLOP and LYNNE REID 450
Acute thoracic inlet obstruction in achalasia of the oesophagus. R. D. W. MCLEAN, C. J. STEWART, and D. G. C. WHYTE 456
Spontaneous pneumopericardium. A. A. R. GOSSAGE, P. W. ROBERTSON, and S. F. STEPHENSON 460
Successful surgical repair of congenital total cleft sternum with partial ectopia cordis. A. AYTAÇ and A. SAYLAM 466
Grand mal seizure induced by oral theophylline. R. A. MATTHAY, M. A. MATTHAY, and M. M. WEINBERGER 470
Constrictive epicarditis following Coxsackie virus infection. D. K. C. COOPER and M. F. STURRIDGE 472
Fibrous histiocytoma of the lung. J. V. LAGO, J. L. PUJOL, S. D. REBOIRAS, J. LARRAURI, and L. SCHACKE DE MIGUEL 475
Proceedings of The Thoracic Society 480

No. 5. *OCTOBER*, 1976

Immunology of bronchial carcinoma. D. A. PRICE EVANS 493
Second primary lung carcinoma. R. ABBEY SMITH, B. K. NIGAM, and JOAN M. THOMPSON 507
'Sentinel lines'—an unusual sign of lower lobe contraction. B. STRICKLAND 517
Left main stem coronary artery disease. Retrospective review of 26 patients treated surgically or medically. L. J. DAY, H. O. VALLIN, and E. SOWTON 522
Evolution of disability in coalworkers' pneumoconiosis. J. P. LYONS and H. CAMPBELL 527
Port-mortem studies of the semistatic volume-pressure characteristics of infants' lungs. D. G. FAGAN 534
Results of operative treatment of hypopharyngeal diverticulum. S. BERTELSEN and A. AASTED 544
Effect of nitrazepam and flurazepam on the ventilatory response to carbon dioxide. D. M. GEDDES, M. RUDOLF, and K. B. SAUNDERS 548
Diagnostic value of serum angiotensin converting enzyme activity in lung diseases. K. ASHUTOSH and J. F. H. KEIGHLEY 552
Effect of chlorphentermine on the lipids of rat lungs. JOSEPHINE GLOSTER, D. HEATH, P. HASLETON, and P. HARRIS 558
A simple cooling circuit for topical cardiac hypothermia. D. R. WHEELDON, D. W. BETHUNE, R. D. GILL, and T. A. H. ENGLISH 565
Hypertrophic osteoarthropathy in adults with cystic fibrosis. M. A. MATTHAY, R. A. MATTHAY, D. M. MILLS, S. LAKSHMINARAYAN, and E. COTTON 572
Localized pulmonary Wegener's granuloma simulating lung cancer: report of four cases. J. B. BLENNERHASSETT, J. BORRIE, I. LICHTER, and A. J. TAYLOR 576
Pulmonary hypersensitivity to Ramin (*Gonystylus bancanus*). A. D. HOWIE, G. BOYD, and F. MORAN 585
Double outlet right ventricle with L-position of the aorta, D-loop, subaortic VSD, and pulmonary stenosis. J. M. CAFFARENA, F. GARCIA SANCHEZ, M. CONCHA, J. M. GOMEZ-ULLATE, J. J. PERIS, R. FRIAS, E. OTERO, H. FERRER, and A. MONTERO 588
Primary cardiac Kaposi's sarcoma. D. A. LEVISON and P. d'A. SEMPLE 595
Spontaneous haemothorax in a mild haemophiliac. R. RASARETNAM, D. CHANMUGAM, and C. SIVATHASAN 601
Haemorrhagic pulmonary oedema: post-pulmonary embolectomy. J. W. GARVEY, G. WISOFF, C. VOLETTI, and M. HARTSTEIN 605
Chylothorax: report of a case complicating ductus ligation through a median sternotomy, and review. T. K. KAUL, W. H. BAIN, M. A. TURNER, and K. M. TAYLOR 610
Lymph node tuberculosis presenting as chyluria. R. S. E. WILSON and R. J. WHITE 617

No. 6. *DECEMBER*, 1976

PAGE

Biological effects of proteolytic enzyme detergents 621
Aspirated foreign bodies in the tracheobronchial tree: report of 250 cases. O. A. ABDULMAJID, A. M. EBEID, M. M. MOTAWEH, and S. KLEIBO 635
Cobalt-57-bleomycin scanning of hila and mediastinum in patients with bronchial carcinoma: a prospective study. J. J. RASKER, H. BEEKHUIS, A. M. VAN DE WAL, J. N. HOMAN VAN DER HEIDE, and M. G. WOLDRING 641
Bronchial carcinoma in patients with pre-existing unilateral lung disease. T. YONEYAMA, T. NARUKE, K. SUEMASU, and S. ISHIKAWA 650
Refractory pneumothorax treated by parietal pleurolysis. J. L. HANSEN 652
A manometric assessment of oesophagogastrostomy. D. W. WARD and H. R. MATTHEWS 656
Sarcoidosis of the upper respiratory tract and its association with lupus pernio. E. NEVILLE, R. G. S. MILLS, D. K. JASH, D. M. MACKINNON, L. S. CARSTAIRS, and D. GERAINT JAMES 660
T and B lymphocytes in sarcoidosis: a clinical correlation. J. M. CUMMISKEY, H. MCLAUGHLIN, and P. KEELAN 665

CONTENTS

No. 6. *DECEMBER*, 1976 *continued* PAGE

Respiratory mechanics in airways obstruction associated with inspiratory dyspnoea. J. M. O'CONNELL and A. H. CAMPBELL 669
Particle deposition in the trachea: *in vivo* and in hollow casts. R. B. SCHLESINGER and M. LIPPMANN..... 678
Pattern of total and regional lung function in subjects with bronchoconstriction induced by 15-me $PGF_{2}\alpha$. L. HESLET ANDERSEN and N. J. SECHER 685
A clinicopathological study of fatal chronic airways obstruction. K. W. M. SCOTT 693
Aspect of serum and sputum antibody in chronic airways obstruction. C. W. CLARKE 702
Total body potassium in cor pulmonale. A. D. HOWIE, A. I. PACK, K. BODDY, and MAUREEN MAHAFFEY ... 708
Degradation of prostaglandin $F_{2}\alpha$ in the human pulmonary circulation. P. JOSE, U. NIEDERHAUSER, PRISCILLA J. PIPER, CHRISTINE ROBINSON, and A. P. SMITH 713
Bronchodilator effect of Δ^{1}-tetrahydrocannabinol administered by aerosol to asthmatic patients. S. J. WILLIAMS, J. P. R. HARTLEY, and J. D. P. GRAHAM 720
Histamine levels in plasma, blood, and urine in severe asthma, and the effect of corticosteroid treatment. CHRISTINE BRUCE, R. WEATHERSTONE, A. SEATON, and W. H. TAYLOR 724
Arterial blood gas tensions, hydrogen ion, and electroencephalogram during sleep in patients with chronic ventilatory failure. A. G. LEITCH, L. J. CLANCY, R. J. E. LEGGETT, P. TWEEDDALE, P. DAWSON, and J. I. EVANS 730
Transitory cerebral microvascular blockade after cardiopulmonary bypass. R. H. PATTERSON, JR., LYNDA ROSENFELD, and R. S. PORRO 736
Surface ultrastructure of silicone rubber aortic valve poppets after long-term implantation. SALLY P. ALLWORK and R. NORTON 742
Repair of traumatic aortic arch to innominate vein fistula under deep hypothermia and circulatory arrest. D. ASTOLFI, D. DI CARLO, G. DI EUSANIO, and C. MARCELLETTI 753
Degenerative changes in aortic root allografts placed in the right ventricular outflow tract of growing puppies. U.-G. JEONG, A. A. KHAN, G. FINE, G. M. FOLGER, JR., and L. GONZALEZ-LAVIN 757
Symptomatic mitral myxomatous transformation in the elderly. P. COLLINS, R. C. COTTON, and R. S. DUFF 765
Fragile lung in the Marfan syndrome. J. A. McM. TURNER and N. N. STANLEY..... 771
Pulmonary blastoma: a report of two cases and a review of the literature. A. KENNEDY and A. L. PRIOR ... 776
A large intrathoracic parathyroid adenoma. P. DAGGETT, I. D. A. JOHNSTON, and D. LOWE 782
Cytomegalovirus-induced haemolytic anaemia after cardiac surgery. S. HOLT and N. KIRKHAM 786
Index to Volume 31 789

Searle Laboratories announce the specific antiarrhythmic that is effective, non-toxic, convenient...and can be taken orally

Effective

New Norpace exerts a two-fold action (Classes I & IV, Vaughan Williams) on electrical instability of the heart. This is now recognised as leading to arrhythmias which in turn can cause sudden death in the post-infarct patient.

Firstly, Norpace exerts a direct membrane stabilising effect on heart cells (Class I). Secondly, it acts to decrease the effects of circulating catecholamines on the myocardial membrane (Class IV). This results in a normalising effect on conduction and heart rhythm in most types of supra-ventricular and ventricular arrhythmias.[1,2]

Non-toxic

At therapeutic dosages, Norpace exhibits none of the toxic reactions commonly associated with therapies such as quinidine, lignocaine and procainamide. In fact, side effects with Norpace are confined to minor and transient anticholinergic type reactions.[1,2,3]

Convenient

Therapeutic blood levels are normally achieved within 2 hours of a loading dose of 2 capsules initially and conveniently maintained with 1 capsule 6-hourly.

NEW

NORPACE

Restores and maintains normal rhythm

1. Am. J. Cardiol. 1976, **37**, 159. 2. Clin. Pharmac. Ther. 1974, **16**, 330. 3. Am. Heart J. 1973, **86**, 771.

Norpace is available as capsules containing disopyramide phosphate equivalent to 150mg disopyramide base.

Norpace and Searle are registered trademarks.

Full prescribing information is available on request.

SEARLE

Searle Laboratories, Division of G.D. Searle & Co. Ltd., P.O. Box 53, Lane End Road, High Wycombe, Bucks. HP12 4HL. Telephone: High Wycombe 21124.